ICEC
INTERNATIONAL COST ENGINEERING COUNCIL

41st COUNCIL MEETING
AGENDA BOOK

Room E3.2, Level 3 Exhibition Rooms
International Convention Centre
Darling Harbour, Sydney, Australia

15 November 2018 10am – 5pm
16 November 2018 9am – 1pm
AGENDA

2018 41st International Cost Engineering Council (ICEC) Meeting

1 Welcome and Introductions
Chair – TT Cheung

2 Attendance and Apologies
Peter Smith

3 Minute’s Silence
In Remembrance - José Chacon de Assis (IBEC – Brazilian Institute of Cost Engineers)

4 Minutes of 40th Council Meeting: 8-9 October 2016 - Rio de Janeiro, Brazil
Peter Smith

5 Matters Arising from the Minutes
Peter Smith

6 ICEC Executive Officer Reports
   a. Chair - TT Cheung
   b. Senior Vice Chair - Kwadwo H Osei-Asante
   c. Administrative Vice Chair - Gianluca di Castri
   d. Administrative Vice Chair - Julie Owen
   e. Technical Vice Chair - Angelo do Valle
   f. Advisory Board Chair - Roger Batten
   g. Research Director - Alexia Nalewaik
   h. Region 1 Director - Paulo Dias
   i. Region 2 Director - Alec Ray
   j. Region 3 Director - Kofi Obeng Ayirebi
   k. Region 4 Director - Eugene Seah
   l. Research Director - Alexia Nalewaik
   m. ICEC/IPMA Director - Andrej Kerin
   n. Middle East Director - Madhu Pillai
   o. Secretary-General - Peter Smith
      i. Secretary General Report
      ii. Financial report

7 New ICEC Members
   a. Applications:
      Institution of Surveyors Uganda (ISU) - Application approved 27 May 2018
      Pertubuhan Ukur Jurutera Dan Arkitek
      Puja (Brunei) Surveyor Division - Application received (for voting)
      Indonesian Association of Quantity Surveyors (IQSI) - Application received (for voting)
   b. Possible New ICEC Members & New Member Strategies – General Discussion
   c. Associations that have left ICEC – Proposal to reinstate membership
1. **Region 1**
   a) AACE International - United States
   b) CICH (Colegio de Ingenieros Civiles de Honduras / College of Civil Engineers Honduras)
   c) CIQS (Canadian Institute of Quantity Surveyors)
   d) GOGRC (Venezuela - Grupo OFC Guia de Costos)
   e) IBEC (Instituto Brasileiro de Engenharia de Custos)
   f) SMIEFC (Sociedad Mexicana de Ingenieria Economica, Financiaeray de Costos)

2. **Region 2**
   a) ACostE (Association of Cost Engineers - United Kingdom)
   b) AICE (Associazione Italiana d’Ingegneria Economica)
   c) CAPQS (Cyprus Association of Professional Quantity Surveyors)
   d) DACE (Nederlandse Stichting Voor Kostentechniek)
   e) DVP (German Association of Project Managers in the Construction Industry & Real Estate Economy)
   f) GTE / MKK (GTE Cost Engineering Club)
   g) CIICES (Chartered Institution of Civil Engineering Surveyors) – United Kingdom
   h) PMA (Projekt Management Austria)
   i) PMG (Project Management Greece)
   j) RACE (Romanian Association of Cost Engineering)
   k) SPPR (Spolocnost pre projektové riadenie / Project Management Association of Slovakia)
   l) SMAp (Association Francaise pour l’avancement du Management de Projet / Project Management Association of France)
   m) SPR (Spolocnost pro projektové rízení / Czech Association of Project Management)
   n) VSF (Verkefnastjornunarfelag Islands / Project Management Association of Iceland)
   o) ZPM (Slovenian Project Management Association)

3. **Region 3**
   a) ASAQS (Association of South African Quantity Surveyors)
   b) GhIS (Ghana Institution of Surveyors Quantity Surveying Division)
   c) INQS (Institute of Namibian Quantity Surveyors) (ICEC Associate Member)
   d) IQSK (Institute of Quantity Surveyors of Kenya)
   e) MAQS (The Mauritius Association of Quantity Surveyors) (ICEC Associate Member)
   f) NIACE (The Nigerian Institute of Appraisers and Cost Engineers)
   g) NIQS (Nigerian Institute of Quantity Surveyors)
   h) SAPCI (Southern African Project Controls Institute)
   i) ISU (Institution of Surveyors Uganda)

4. **Region 4**
   a) AIQS (Australian Institute of Quantity Surveyors)
   b) ACES (Australian Cost Engineering Society)
   c) BSJJ (Building Surveyor’s Institute of Japan / Nihon Kenchiku Sekesan Kyokai)
   d) CECA (China Engineering Cost Association)
   e) FIQS (Fiji Institute of Quantity Surveyors) (ICEC Associate Member);
   f) HKIS (Hong Kong Institute of Quantity Surveyors)
   g) IPMSL (Institute of Project Managers of Sri Lanka)
   h) IQSSL (Institute of Quantity Surveyors of Sri Lanka)
   i) PICSQS (Philippines Institute of Certified Quantity Surveyors)
   j) RISM (Royal Institution of Surveyors, Malaysia / Pertubuhan Jurukur DiRaja Malaysia)
   k) NZIQS (New Zealand Institute of Quantity Surveyors)
   l) PMAI (Project Management Associates – India)
   m) SISV (Singapore Institute of Surveyors and Valuers, Quantity Surveying Division)
9 ICEC World Congresses

a. 10th World Congress 2016 overview - Region 1 - Rio de Janeiro, Brazil (Angelo Valle)
b. 11th World Congress 2018 update - Region 4 - Sydney, Australia (Anthony Mills/Lani Kirby)
c. 12th World Congress 2020 planning - Region 3 - Accra, Ghana (Osei Asante/ Kofi Obeng Ayirebi / Michael Frimpong)
d. 13th World Congress 2022 bid - Region 2 - Bid by DACE (Dutch Association of Cost Engineers)

10 ICEC Initiatives & Strategic Directions – ‘Think Tank’ Discussion

a. Current/Future Industry Directions & Needs of ICEC Member Associations
   - Global industry trends & impact on professional associations
   - Issues/challenges/opportunities currently faced by ICEC member associations
   - Strategies/initiatives being implemented by ICEC member associations
   - Feedback on how ICEC can provide greater value & assistance for ICEC member associations

b. International Comparative Research – ICEC Network
   - Research network groups
   - eg. QS/CE Practices Evolution/Comparisons, 5D BIM Implementation, Project Cost Overruns, etc.

c. ICEC Global Collaboration
   - International Construction Measurement Standards Coalition
   - International Ethics Coalition
   - United Nations
   - World Federation of Engineers (WFEO)
   - MOC Associations (PAQS, AAQS, RICS, FIG, IPMA)

d. ICEC Website Inventory (‘One Stop’ Shop for Global Sources of Cost Related Information)
   - Sources of Published Cost Sources (National, Regional & Global)
   - QS/CE/Project Controls Standards/Best Practices
   - ICEC International Cost Management Journal (ICMJ)
   - Project Cost Management Baseline Body of Knowledge
   - Project Cost Management Glossary of Terms
   - Certification & CPD Programs by ICEC Member Associations
   - Training programs & seminars by ICEC Member Associations
   - Project Cost Management Seminars/Conferences (National, Regional & Global)
   - ICEC Member Country Contacts

e. ICEC Communications
   - ICEC Website
   - ICEC Global Professional Network Project (Linked In)
   - Social Media
   - Web based meeting platforms (Skype, etc)
   - Smart technology/software
   - International Roundup Newsletter
   - Promotional Materials
   - ICEC Information Kit

f. ICEC Income Generation
   - ICEC Business Register
   - Advertising/Sponsorship Revenue
   - Individual membership
   - Other potential sources of income
g. ICEC Accreditation Program for Member Association Certification and CPD Programs
   - Current status & further development
   - Promotion of international recognition/endorsement

h. Emerging Nations/Professional Associations in Project Cost Management
   - Overview (eg. Russia, Iran, Indonesia, etc.)
   - Strategies to support these nations/associations

i. ICEC Regional Structure
   Discussion on current ICEC regional structure & possible new regions
   - Middle East
   - Eastern Europe
   - South/Central/North America
   - Africa/North Africa

j. ICEC Officer Positions & Roles
   - Discussion on possible New Director positions
   - Discussion on positions and roles generally

k. Other ideas and suggestions
   Open Forum

11 ICEC Young Members (Rising Professionals) Group
   TT Cheung/Eugene Seah

12 ICEC Governance Structure - Update & Strategic Directions
   General Update
   Review of performance of ICEC Governance Structure
   Discussion on possible revisions

13 ICEC Action Plan 2018-2020
   TT Cheung/Osei Asante
   Development of 2018-20 Action Plan (following ‘Think Tank’ Discussion)

14 Region Workshops (Workshop Sessions)
   To be held Saturday 17th November 2018

15 Memorandums of Cooperation (MOCs)
   Updates on existing MOCs
   a. AAQS
   b. FIG Commission 10
   c. IPMA
   d. PAQS
   e. RICS
   Discussion on future MOCs

16 International Construction Measurement Standards (ICMS)
   Update on current developments
17  ICEC Region Meetings Held During 2017-2018

2017
Region 1
4-5 July 2017 - Rio de Janeiro, Brazil.
Held in conjunction with the national Brazil Cost Engineering Day & IBEC Meetings.
Region 2
17 November 2017 – London UK (Mott MacDonald Office, 10 Fleet Place, London)
Region 3
2 November 2017, Kampala, Uganda. Held in conjunction with the AAQS General Assembly & African Cost Congress from 2-3 November 2017
Region 4

2018
Region 1
Two Region 1 meetings:
North America - 8 February 2018, Indian Wells, California. Held in conjunction with the AACE 2018 Western Winter Workshop 8-11 February
South America - 6-7 August 2018, Sao Paulo, Brazil. Held in conjunction with the IBEC national Brazil Cost Engineering Day & IBEC International Meetings
Region 2
17 November 2018 – Sydney, Australia. A special Region 2 meeting will be held just after the ICEC Council Meeting in Sydney
Region 3
To be confirmed
Region 4
17 November 2018 – Sydney, Australia. This will be held as part of the PAQS 2018 Annual Board Meeting in Sydney

18  ICEC Region Meetings Planned for 2019-2020

For discussion

19  Kenneth Humphreys Paper Award for Young and Student Members

Report on 2018 Awards – Peter Smith

20  ICEC Jan Korevaar Best Congress Paper Award

Report on 2018 Award – Peter Smith

21  ICEC 2018 Awards

(At the discretion of the Chair, this portion of the meeting may be closed to non-delegates and nominated award recipients)

a. Distinguished International Fellow (DIF) Awards (Nominations for DIF awards are to be presented for vote of official delegates)
b. Chair’s Award
c. Region Awards

22  Election of Officers for 2018-2020

Alexia Nalewaik
23 Presentation of Budget and Subscription Fees for 2018-2020

Peter Smith

24 Any Other Business

Open to the floor

25 Next Full Council Meeting

Accra, Ghana (2020)

26 Closing Remarks by New ICEC Chair

New ICEC Chair

27 Adjournment

NOTE:

Please bring sufficient copies of any reports not submitted in time for inclusion in the Council meeting papers
ITEM 1

Welcome and Introductions
ITEM 2

Attendance and Apologies
ITEM 3

Minute’s Silence
In Remembrance of Jose Chacon de Assis
(IBEC – Brazilian Institute of Cost Engineers)
Today we woke up in sorrow. A deep mourning for the lost of an exceptional friend and colleague - one who, in such levels captivated and enlightened us with his work as an Engineer and a citizen, dedicated to so many causes. He performed with strong character and resolution his fight for the minorities and in favour of sustainability, not to mention his years ahead of CREA-RJ, where he featured in so many invaluable achievements for the carioca engineers.
His accomplishments made their mark not only in his beloved motherland, but also worldwide.

There are, in fact, countless well-deserved compliments to dispense now, and which we will continue to offer along with an undying gratitude for all the dedication and self givingness that the Engineer José Chacon de Assis taught IBEC, as IBEC Vice-chair and ICEC Region 1 Director, and also to the field of Engineering and to Brazil, as the Chair of AFEA and Federal Counselor at CONFEA, and to the whole world.
The pain of grieving seems as endless as his memory will be everlasting in our hearts.
Go in peace, and may you continue to shine bright and passionate, wherever you are.

IBEC expresses its condolences to all the friends and family.

#ChaconPresente
José Chacon de Assis  |  IBEC Vice-Chair & ICEC Region 1 Deputy Director
ICEC
INTERNATIONAL COST ENGINEERING COUNCIL

ITEM 4

Minutes of 40th Council Meeting
8/9 October 2016
Rio De Janeiro, Brazil
Minutes of the 40th Session of the Council
Saturday/Sunday 8-9 October 2016
Rio de Janeiro, Brazil

The 40th Session of Council was convened by ICEC Chair Alexia Nalewaik at 9.00 am on 8 October 2016 at the Windsor Barra Hotel, Rio De Janeiro, Brazil. The Full Meeting Agenda Book containing supporting details for various agenda items was provided to delegates in electronic form prior to the meeting. An abbreviated hard copy version of the Meeting Agenda Book was distributed at the meeting. The Full Meeting Agenda Book is provided on the ICEC website in conjunction with these minutes and will, by reference, be made a part of these minutes.

The 2016 ICEC Meeting Agenda Book can be found on the ICEC website at:
http://www.icoste.org/members/minutes/#more-48

1.0 Welcome & Introductions

ICEC Chair Alexia Nalewaik welcomed the delegates and asked the delegates to introduce themselves and to indicate the association or institute that they represented.

2.0 Attendance & Apologies

2.a Attendance

A total of 40 ICEC office holders and member association delegates/representatives attended the meeting (in part or in whole) over the two days of meetings. 15 member associations were represented at the meeting.

ICEC Executive Officers
Alexia Nalewaik - ICEC Chair (United States)
TT Cheung - ICEC Senior Vice Chair (Hong Kong)
Kwadwo Osei-Asante - ICEC Administrative Vice Chair (Ghana)
Andrej Kerin - ICEC Administrative Vice Chair (Slovenia)
Ângelo Valle - ICEC Technical Vice Chair (Brazil)
Carsten Wredstrøm - ICEC Immediate Past ICEC Chair (Denmark)
Peter Smith - ICEC Secretary General (Australia)
Roger Batten - ICEC Advisory Board Chair (United Kingdom)

ICEC Region Directors
Paulo Dias - ICEC Region 1 Director & IBEC President (Brazil)
Gianluca di Castri - ICEC Region 2 Director (Italy)

ICEC Region Deputy Directors
Aldo Mattos - ICEC Region 1 (Brazil)
Julie Owen - ICEC Region 1 (USA)
Alec Ray - ICEC Region 2 (United Kingdom)
Kofu Obeng-Ayirebi - ICEC Region 3 (Ghana)
Obafemi Onashile - ICEC Region 3 (Nigeria)
Charles Mbelede - ICEC Region 3 (Nigeria)
Njeri Wachira Towey - ICEC Region 3 (Kenya)
ICEC Delegates – Region 1
John Livengood - AACE (United States)
José Chacon De Assis - IBEC (Brazil)
Inaiara Ferreira Marini - IBEC (Brazil)
Inaiara Barallos - IBEC (Brazil)
Wilton Baptista - IBEC (Brazil)
Caezar Bendial - ALAEST (Brazil)
Ygor Vicente de Oliveiva - Petrobas (Brazil)
Diana Ma Isprone - BCI (Columbia)
Jose Ramon Calix - CICH (Honduras)
Carlos Martinez Arjona - CICH (Honduras)

ICEC Delegates – Region 2
Angela Pammenter - ACostE (United Kingdom)
Robert de Vries - DACE (The Netherlands)

ICEC Delegates - Region 3
Osei Agyemang-Badu - GhIS (Ghana)
Priscilla Osei Asante - GhIS (Ghana)
Jennifer Majimi - IQSK (Kenya)
Andrew Mandere - IQSK (Kenya)
Battah Ndirpaya - NIACE (Nigeria)
M.J. Timus Maritz - ASAQS (South Africa)

ICEC Delegates - Region 4
Peter Clack - AIQS (Australia)
Grant Warner - AIQS (Australia)
Lani Kirby - AIQS (Australia)
Keith Yim - HKIS (Hong Kong)
Paul Wong - HKIS (Hong Kong)

2.b Apologies

Formal apologies were received from 7 ICEC office holders and member delegates/representatives.

Region 2
Bill Pryke - CICES CEO & CICES Delegate (United Kingdom)
Emanuele Banchi - AICE President & AICE Delegate (Italy)
Alan Bartrop - ACostE Delegate (United Kingdom)

Region 3
Michael K. Frimpong - GhIS Delegate (Ghana)
Mercy Iyortyer - NIQS President (Nigeria)
Rob Pearl - ICEC Region 3 Director (South Africa)

Region 4
Jeremy Shearer - NZIQS President (New Zealand)

3.0 Minutes of Previous Meeting – 39th Council Meeting

The minutes of the 39th Session of Council held on 18-19 October 2014 in Milan, Italy (included in the Meeting Agenda Book pages 9-32) were taken as read and were approved without amendment.
4.0 Matters Arising From Minutes

There were no matters arising from the minutes.

5.0 Officer’s Reports

5.a ICEC Chair

ICEC Chair, Alexia Nalewaik, welcomed the meeting attendees and provided an overview of her written report which is contained in the Meeting Agenda Book (pages 36-37). She focused on the implementation of the ICEC Strategic Plan and ICEC programs/projects during her term and outlined the extensive number of meetings and congresses that she attended as ICEC Chair during her 2 year term. She concluded by thanking all ICEC executive members, delegates and member associations for their support and assistance during her term. General discussion followed on the points raised.

5.b Senior Vice-Chair

Senior Vice Chair, TT Cheung, provided an overview of his written report which is contained in the Meeting Agenda Book (page 39). He highlighted two key strategic objectives – the development of a draft ICEC conference manual and the creation of an ICEC young chapter.

5.c Administrative Vice-Chair (1)

Administrative Vice-Chair, Kwadwo Osei-Asante, provided an overview of his written report which is contained in the Meeting Agenda Book (pages 41-44). He focused on activities in ICEC Region 3 (Africa) and the various issues/challenges faced in the region.

5.d Administrative Vice-Chair (2)

Administrative Vice-Chair, Andrej Kerin, provided an overview of his written report which is contained in the Addendum to the Meeting Agenda Book Addendum (pages 3-13). He focused on his work for ICEC in collaborating with IPMA on various initiatives.

5.e Technical Vice-Chair

Technical Vice-Chair, Angelo Valle, provided an overview of his written report which is contained in the Meeting Agenda Book Addendum (pages 14-16). He focused on his work in the field of international standards and his role in the Brazilian Association of Technical Standards (ABNT – Associação Brasileira de Normas Técnicas) which is the official Brazilian agency for technical standardization in the International Standards Organization (ISO).

5.f Advisory Board Chair Report

Roger Batten provided an overview of his written report which is contained in the Meeting Agenda Book (pages 48-49). Roger detailed the activities of the Advisory Board over the past two years and discussed his suggestions for moving ICEC forward. He highlighted the importance of the ICEC Advisory Board and the role of ICEC Ambassadors to assist this.
5.g Immediate Past Chair

Immediate Past-Chair, Crasten Wredstrom, provided a verbal report on the progress of ICEC over the past two years. He congratulated Alexia Nalewaik on her tremendous work and achievements as ICEC Chair.

5.h Region 1 Director’s Report

Region 1 Director, Paulo Dias, (IBEC) provided an overview of his written report which is contained in the Meeting Agenda Book Addendum (pages 17-19). He spoke about the ‘Cost Engineers Day 2016’ held in Rio De Janeiro in May 2016 and the ICEC Region 1 meeting that was held during this event. Paulo then described the extensive amount of work that he and the IBEC team have undertaken in travelling to many South/Central American countries to collaborate with professional engineering organisations and promote ICEC to these organisations. He then concluded with a summary of his extensive activities personally as ICEC Region 1 Director.

5.i Region 2 Director’s Report

Region 2 Director, Gianluca di Castri, (AICE) provided an overview of his written report which is contained in the Meeting Agenda Book (pages 53-56). He focused on the specific issues and challenges faced in Region 2 which included the lack of a strong professional identity for the project cost management profession in most parts of Europe.

5.j Region 3 Director’s Report

Region 2 Director, Rob Pearl, (ASAQS) was unable to attend the meeting due to other commitments. He did however provide a written report which is contained in the Meeting Agenda Book (pages 58-59). Reference was made to his report for noting.

5.k Region 4 Director’s Report

Region 2 Director, Teoh Wooi Sin, (SISV) was unable to attend the meeting due to work commitments. ICEC Senior Vice-Chair, TT Cheung, spoke briefly on Teoh Wooi Sin’s behalf in relation to Region 4 activities.

5.l.1 Secretary-General Report

ICEC Secretary General, Peter Smith, was absent on the first day of the meeting (Saturday 8 October) due to work commitments. He presented his report on the following day (Sunday 9 October). However, for the purposes of clarity, his report is referred to here in accordance with the formal ICEC Agenda. Peter provided an overview of his written report which is contained in the Meeting Agenda Book (pages 61-72). Peter commenced by congratulating Alexia Nalewaik for her work as ICEC chair and thanked the ICEC Executive and all ICEC officers for their work and support.

Peter then thanked the AIQS for their continued support in hosting the ICEC Secretariat – a role they have undertaken since 2004. He then provided an overview of regional meetings and Skype meetings held during 2014-16. Peter then highlighted the main secretariat activities over the past two years.
5.I.ii Secretary-General Financial Report

Peter Smith presented the interim ICEC Financial Report for the 2014-16 term. He explained that the financial report figures excluded some income/expenditure to the end of October 2016 that will include additional membership fee payments and expenses associated with the 2016 Brazil Congress. A final financial report will be issued for the 2014-16 period after closing of the books for the current ICEC Administration. He also noted that the Chair’s expenses significantly exceeded the amount shown but substantial financial contributions were made by the Chair personally to cover these costs. He thanked Alexia Nalewaik on behalf of ICEC for these personal contributions.

Overall, the income received for the 2014-16 term was below that budgeted for (Budgeted Income A$88,000 – Actual Income $79,103). This was largely due to shortfalls in membership fees, the ICEC International Congress Levy and lower interest returns on the ICEC term deposit. However, this shortfall was carefully monitored by the Secretary-General and expenditure was controlled accordingly. This resulted in expenditure well below the budgeted allowance (Budgeted Expenditure – A$ 88,000 – Actual Expenditure $75,365). This resulted in a positive balance of A$ 3,737. However, it was noted that expenses of $ 3,646 had been transferred to the 2012-14 ICEC financial period as these related to the 2012-14 ICEC Budget (2012-14 ICEC Chair expenses and 2014 Milan Congress expenses for the Secretary General).

Discussion ensued on the financial report. Peter Smith noted that some member associations had outstanding membership subscription fees but that these were generally limited to the smaller associations. He outlined the efforts being made to encourage these associations to pay their fees and asked for assistance from each ICEC Regional Director. He also noted that one association had resigned from ICEC membership during 2014-16 but that strategies were in place to encourage this association to reconsider. This was also countered by 2 new member associations joining ICEC during the 2014-16 term.

Peter spoke about the issue of smaller ICEC member associations who had yet to pay their fees and suggested an amnesty on previous years’ fees for these associations to encourage them to become active again in ICEC activities. This was agreed in principle by the meeting delegates. The importance of the larger ICEC member associations in supporting the development of these smaller member associations was also discussed.

The Financial Report was then voted on and accepted by ICEC Council delegates.

6.0 ICEC Governance Structure – Update & Strategic Directions

ICEC Chair, Alexia Nalewaik, and ICEC Senior Vice-Chair, TT Cheung, provided an update on the ICEC Governance Structure that was approved at the last ICEC Council meeting in Milan, Italy in October 2016. They commented that the Governance Structure was being implemented reasonably well but there was room for further improvement.

General discussion ensued and there was general agreement that the current Governance Structure should remain in place and be reviewed again at the next Council meeting. This was voted on and approved by meeting delegates.

They then proposed new ICEC Director Positions that comprised the following:

- ICEC Research Director
- ICEC Director – South/Central America (ad-hoc position)
- ICEC Director – ICEC/IPMA Collaboration (ad-hoc position)
Considerable discussion ensued on these positions. The importance of the Research Director position was recognized as was the position to support ICEC/IPMA collaboration.

However, there was disagreement on the need for the new South/Central America position. Comments were raised that there was a greater need for a position representing areas that were currently not in the ICEC regional structure. A proposal was put forward to change this position to a Director for the Middle East.

These positions were then voted on by meeting delegates and the following positions were approved by delegates:

- ICEC Research Director
- ICEC Director – Middle East (ad-hoc position)
- ICEC Director – ICEC/IPMA Collaboration (ad-hoc position)

It was further agreed that the two ad-hoc positions would be reviewed every two years at each ICEC Council Meeting to determine whether these positions should continue or be revised/replaced/discontinued.

**7.0 ICEC Action Plan 2016-18**

The proposed ICEC Action Plan for 2016-18 was then presented to the meeting delegates. This is included in the Meeting Agenda Book (pages 77-78). ICEC Chair, Alexia Nalewaik, and Senior Vice-Chair, TT Cheung, developed this Action Plan in consultation with ICEC Executive Officers and Region Directors. Alexia and TT provided an overview of this plan and discussion ensued.

Action plan items for the development of an ICEC Conference Manual and an ICEC Young Members Group were highlighted.

The 2016-18 Action Plan was then voted on and approved by the meeting delegates.

**8.0 Memorandums of Cooperation (MOC)**

The current Memorandums of Cooperation (MOC) that ICEC have with other kindred professional associations are noted in the Meeting Agenda Book (page 80).

Alexia Nalewaik noted these and then initiated discussion on further potential cooperative agreements. This included possible agreements with:

- The European Committee of Construction Economists (CCEC)
- The World Federation of Engineering Organisations (WFEO)

It was agreed by delegates that further agreements should be pursued during the 2016-18 term.

**9.0 New ICEC Member Associations (MOC)**

Alexia Nalewaik noted that 2 new membership applications had been approved during the 2014-16 term as follows:

CICH (Honduras) - Application approved 27 February 2016
PIQS (Philippines) - Application approved 27 February 2016
Alec Ray then gave a presentation on strategies to encourage further new ICEC Memberships. Alec provided a written report for this presentation titled ‘Establish an ICEC Associates Programme’ which is included in the Meeting Agenda Book (pages 82-83).

Discussion ensued and Alec put forward a proposal to adopt the strategies outlined in his written report. There was general agreement on the proposal and it was agreed that this would be developed further for formal approval during the 2016-18 term.

10.0 Global Initiatives – ISO, Competency Standards, Certification, etc.

Peter Smith, Alexia Nalewaik and TT Cheung provided updates on a range of global initiatives and strategies that included ICEC’s work/collaboration with the following:

- International Construction Measurement Standard (ICMS)
- International Ethics Coalition Opportunity
- Project Cost Management Body of Knowledge
- ICEC Global Research (BIM Menu, QS/CE Practices - Evolution/Comparison)
- ICEC Inventory of QS/CE Standards/Best Practices/Published Cost Sources
- World Federation of Engineers (WFEO)
- United Nations
- ISO Cost Management Standards
- Certification Programs

This included general discussion about each of these areas. As these items were presented for general information and discussion there were no matters that required voting on by meeting delegates.

11.0 Reports - Member Societies and Prospective Members

A number of member associations provided written reports that are included in the Meeting Agenda Book (pages 85-200) and in the Meeting Agenda Book Addendum (pages 20-29).

11.1 Region 1

AACE International (United States)
AACE International prepared a comprehensive written report that is included in the Meeting Agenda Book (pages 87-98). Alexia Nalewaik and John Livengood provided an overview of the report. Aldo Mattos, Chair of AACE Brazil, then spoke about AACE activities in Brazil and South America.

CIQS (Canada)
The CIQS prepared a written report that is included in the Meeting Agenda Book (pages 99-100). As there was no CIQS delegate at the meeting reference was made to the report for noting.

IBEC (Brazil)
IBEC prepared a written report that is included in the Meeting Agenda Book Addendum (pages 21-25). Paulo Dias, José Chacon and Angelo Valle (IBEC) provided an overview of this report.

CICH (Honduras)
Jose Ramon Calix and Carlos Martinez Arjona provided a verbal report on CICH activities.
11.2 Region 2

ACostE (United Kingdom)
ACostE provided a written report and presentation that is included in the Meeting Agenda Book (pages 103-109). Alec Ray & Roger Batten provided an overview of this report.

AICE (Italy)
AICE prepared a written report that is included in the Meeting Agenda Book (pages 110-141). Gianluca di Castri provided an overview of this report and also gave a detailed presentation on AICE activities and initiatives and put forward suggestions on how AICE can collaborate with ICEC member associations.

DACE (The Netherlands)
DACE prepared a written report that is included in the Meeting Agenda Book (pages 142-144). Robert de Vries provided an overview of this report.

CICES (Chartered Institution of Civil Engineering Surveying)
CICES prepared a written report that is included in the Meeting Agenda Book (pages 145-148). As there was no CICES delegate at the meeting reference was made to the report for noting.

PMA (Austria)
PMA prepared a written report that is included in the Meeting Agenda Book (pages 149-152). As there was no PMA delegate at the meeting reference was made to the report for noting.

ZPM (Slovenia)
ZPM prepared a written report that is included in the Meeting Agenda Book (pages 153-159). Andrej Kerin provided an overview of this report.

11.3 Region 3

ASAQS (South Africa)
Timus Maritz provided a verbal report on ASAQS activities.

GhIS (Ghana)
GhIS provided a written report that is included in the Meeting Agenda Book (pages 161-163). Kwadwo Osei Asante and Kofi Obeng-Ayirebi provided an overview of this report.

IQSK (Kenya)
IQSK provided a written report that is included in the Meeting Agenda Book Addendum (pages 26-29). Njeri Wachira Towey and Jennifer Majimi provided an overview of this report.

NIACE (Nigeria)
NIACE provided a written report that is included in the Meeting Agenda Book (pages 164-165). Charles Mbelede and Battah Ndipaya provided an overview of this report.

NIQS (Nigeria)
Obafemi Onasighile provided a verbal report on NIQS activities.
11.4 Region 4

AIQS (Australia)
The AIQS provided a written report that is included in the Meeting Agenda Book (pages 167-168). Grant Warner and Peter Clack provided an overview of the report.

HKIS (Hong Kong)
The HKIS provided a written report that is included in the Meeting Agenda Book (pages 169-173). Keith Yim and Paul Wong provided an overview of the report.

NZIQS (New Zealand)
The NZIQS provided a written report that is included in the Meeting Agenda Book (pages 174-176). As there was no NZIQS delegate at the meeting reference was made to the report for noting.

RISM (Malaysia)
The RISM provided a written report that is included in the Meeting Agenda Book (pages 177-182). As there was no RISM delegate at the meeting reference was made to the report for noting.

SISV (Singapore)
The SISV provided a written report that is included in the Meeting Agenda Book (pages 183-187). As there was no SISV delegate at the meeting reference was made to the report for noting.

Other Region 4 Reports

Some of the other ICEC Region 4 member associations prepared reports for the PAQS 2016 Board Meeting held in Christchurch, New Zealand on 21 May 2016. As these reports provide information that is applicable for the ICEC member association reports, permission was obtained from the PAQS Secretary, Ms. Katherine Thiang, to reproduce these reports in the Meeting Agenda Book. Accordingly, the following additional written PAQS member reports were noted and included in the Meeting Agenda Book on the pages as indicated:

CECA – China (pages 188-190)
FIQS – Fiji (pages 191-192)
IQSSL – Sri Lanka (pages 193-196)
PICQS – The Philippines (pages 197 – 200)

12.0 Region Workshops (Concurrent Workshop Sessions)

For this agenda item, the meeting delegates broke into 4 separate workshop groups for each of the ICEC regions. The purpose of the workshops was to discuss issues, strategies, ideas and suggestions for each region to assist ICEC in improving the value of its operations on a regional basis.

Lengthy discussions were held in each of the workshop groups.

13.0 Region Workshop Outcomes

At the completion of the workshops, meeting delegates from each of the 4 workshop groups reported back with a summary of the outcomes. This was then be followed by general discussion and suggestions for the development of regional strategies.

It was agreed that the ICEC Region Directors for 2016-18 would take these regional comments and suggestions on board for further review and development.
14.0 Co-Operation with other Bodies

14.a Africa Association of Quantity Surveyors (AAQS)

KH Osei Asante (ICEC Admin Vice-Chair) provided a verbal report on AAQS activities.

14.b International Federation of Surveyors (FIG) – Commission 10

Roger Batten (ICEC Advisory Board Chair) provided a verbal report on FIG Commission 10. He noted that the 2017 FIG Working Week is scheduled to be held from 29 May - 2 June 2017 in Helsinki, Finland.

14.c International Project Management Association (IPMA)

Andrej Kerin referred to his previous ICEC Region 2 Director report that included details about ICEC’s collaboration with IPMA.

14.d Pacific Association of Quantity Surveyors (PAQS)

TT Cheung provided a verbal report on ICEC’s collaboration with PAQS.

14.e Royal Institution of Chartered Surveyors (RICS)

Alexia Nalewaik made reference to ICEC’s involvement with the RICS as a trustee in the International Construction Measurement Standards (ICMS) Coalition.

15.0 ICEC World Congresses

15.a 2016 10th ICEC World Congress – Region 1 (Rio De Janeiro, Brazil)

Hosts – Brazilian Institute of Cost Engineers (IBEC)

Paulo Dias, José Chacon and Ângelo Valle provided an update on the final preparations for the 2016 10th ICEC World Congress that will follow the Council Meeting.

15.b 2018 11th ICEC World Congress & 22nd PAQS Congress - Region 4

15-20 November 2018 – Sydney, Australia

Hosts – Australian Institute of Quantity Surveyors (AIQS)

Grant Warner and Peter Clack provided a written report (included in the Meeting Agenda Book – page 207) and gave a presentation on the preparations and plans for the joint ICEC/PAQS Congress in Sydney, Australia.

15.c 2020 12th ICEC World Congress - Region 3

Discussion was held on the potential hosts/venues for the 2020 Congress in Region 3 (Africa). The African delegates at the meeting agreed that the two main potential hosts for the event would be the Association of South African Quantity Surveyors (ASAQS) and the Ghana Institution of Surveyors (GhIS). It was proposed that the ASAQS and GhIS would have further meetings to determine who would host the 2020 event and that the ICEC Council would accept their mutual decision. In the event that the associations may not reach agreement then the hosting would be put to a vote of ICEC member associations. This proposal was accepted by meeting delegates and the ASAQS and GhIS were asked to inform the new ICEC Chair and ICEC Executive Board of their decision as soon as reasonably possible.
16.0 ICEC Region Meetings 2015-2016

Details of ICEC Region Meetings held during 2015-16 and associated meeting minutes, notes and presentations are included in the Meeting Agenda Book (pages 208-329).

Reference was made to these details for the following Region Meetings:

16.a Region 1

2015
Panama City, Panama – 27 September 2015
(hosted by IPMA and held in conjunction with the 50th IPMA Anniversary World Congress & Board Meetings from 26-30 September 2015)

2016
Rio de Janeiro, Brazil – 9 May 2016
(hosted by IBEC and held in conjunction with the IBEC Annual Meeting and annual Brazil Cost Engineering Day from 9-10 May 2016)

16.b Region 2

2015
Paris, France – 18 April 2015
(hosted by SMaP)

2016
Como, Milan, Italy – 7 May 2016
(hosted by AICE with a special seminar preceding the meeting on 6 May 2016).

16.c Region 3

2015
Lagos, Nigeria – 20 November 2015
(hosted by the NIQS and held in conjunction with the AAQS Council Meeting and NIQS Congress from 17-21 November 2015)

2016
Dar es Salaam, Tanzania – 19 August 2016
(hosted by the Tanzania Institute of Quantity Surveyors and held in conjunction with the AAQS General Assembly Meeting and Congress from 18-19 August 2016).

16.d Region 4

2015
Yokohama, Japan – 30 May 2015
(held in conjunction with the annual PAQS Board Meeting and 19th PAQS Congress from 28 May – 1 June 2015)

2016
Christchurch, New Zealand – 21 May 2016
(hosted by the NZIQS and held in conjunction with the annual PAQS Board Meeting and 20th PAQS Congress from 20-24 May 2016).
17.0 Communications & ICEC Website

Peter Smith commented that the ICEC Secretariat and Executive Officers continue to implement and explore ways of improving communication and sharing of information amongst member associations and the individual members of these associations in particular. This continues to be one of the greatest challenges facing ICEC. Peter referred to his Secretary-General’s Report (Section 5.I.I) that provided an outline of current initiatives and suggestions for improving communications.

The purpose of this agenda item was to progress this further and discuss strategies to improve communication both within and outside the ICEC network and to receive feedback/suggestions from ICEC delegates and member associations.

The main items for discussion in this section were:

b. International Roundup Newsletter
c. Promotional Materials
d. ICEC Prospective Member Information Kit
e. Improving ICEC Communications
f. ICEC Website
g. Sponsorship & General Income Generation Strategies.

Reference was made to details for each of these items that are included in the Meeting Agenda Book (pages 342-366).

18.0 ICEC Accreditation of Certification and CPD Programs

Details of the ICEC Accreditation system are included in the Meeting Agenda Book (pages 367-373). Peter Smith provided a quick overview of this accreditation system and encouraged member associations to submit their various certification and CPD programs for accreditation. He noted that member associations who currently have ICEC accredited programs are:

- AACE (Association for the Advancement of Cost Engineering International)
- IBEC (Brazilian Institute of Cost Engineers)
- ACostE (Association of Cost Engineers - United Kingdom)
- AICE (Italian Association for Total Cost Management)
- DACE (The Netherlands), ZPM (Slovenia)
- AIQS (Australian Institute of Quantity Surveyors)
- NZIQS (New Zealand Institute of Quantity Surveyors)
- RISM (Royal Institution of Surveyors Malaysia)
- SISV (Singapore Institute of Surveyors and Valuers)
- ASAQS (Association of South African Quantity Surveyors)
- PICQS (Philippine Institute of Certified Quantity Surveyors)

19.0 Kenneth Humphreys Paper Award for Young and Student Members

Peter Smith provided a written report on the Humphreys Award that is included in the Meeting Agenda Book (page 375). Awards are available in each of the fields of Cost Engineering (CE), Quantity Surveying (QS) and Project Management (PM).
2 papers were submitted for the award – one for the Quantity Surveying Award and one for the Project Management Award. The papers were submitted by the South African Association of Quantity Surveyors (ASAQS) and the Association for the Advancement of Cost Engineering – International (AACE).

Peter Smith noted that the Award Committee felt that both of the papers submitted were of a high standard and worthy of the award. Accordingly, the winners of the 2016 Kenneth K. Humphreys Outstanding Paper awards were:

**Cost Engineering Award**
Author: Muhammad Yaseen Bhamjee (South Africa)
Paper Title: Lighting Retrofits - Home Owner Mind-Sets Toward Energy Efficiency
Submitted by: Association of South African Quantity Surveyors (ASAQS)

**Project Management Award**
Author: Jessica Colbert (USA)
Paper Title: Avoiding CPM Schedule Mismanagement: Maximize Uses
Submitted by: AACE International

These awards will be presented at the 2016 ICEC World Congress gala dinner that will follow the ICEC Council Meeting.

### 20.0 Election of Officers for 2014-16

The nominations from the ICEC Nominating Committee for ICEC Executive Officer positions and co-opted positions for 2016-18 are included in the Meeting Agenda Book (page 377-378).

Discussion ensued on these positions. Changes were proposed for the following positions:

Region 1 Director: Original Proposal - Madhu Pillai (change to Paulo Dias)

Director – Central/South America - Paulo Dias (change to Director – Middle East – Madhu Pillai)

These changes were voted on and approved by the meeting delegates.

Discussion was then held on the ICEC Region Deputy Director positions. These are co-opted ICEC officer position nominations that are proposed by the incoming Region Directors in collaboration with the ICEC Chair, ICEC Executive Board and ICEC member associations. The Meeting Agenda Book included a list of proposed Deputy Director positions. However, discussion was held on whether more time was needed to determine these positions in collaboration with all the relevant parties.

Accordingly, it was proposed that the new ICEC Deputy Director positions would be determined later by the incoming ICEC Region Directors in collaboration with all relevant parties and that these positions would be finalized in early 2017. This was voted on and approved by the meeting delegates.

The recommendations for the ICEC Executive Board, ICEC Region Director, the new ICEC Director positions and the ICEC Ambassadors were then voted on and approved by the meeting delegates.

Therefore, the following nominees were all declared elected.
2016-18 Executive Board
Chair - TT Cheung (Hong Kong)
Senior Vice-Chair - Kwadwo Osei-Asante (Ghana)
Administrative Vice-Chair - Gianluca di Castri (Italy)
Administrative Vice-Chair - Julie Owen (USA)
technical Vice Chair - Dr Angelo do Valle (Brazil)
Secretary-General - Dr Peter Smith (Australia)
Advisory Board Chair - Roger Batten (United Kingdom)
Immediate Past ICEC Chair - Dr Alexia Nalewaik (USA)
ICEC Advisory Board Chair - Roger Batten (United Kingdom)

2016-18 Regional Directors
Region 1 Director - Paulo Dias (Brazil)
Region 2 Director - Alec Ray (United Kingdom)
Region 3 Director - Kofi Obeng Ayirebi (Ghana)
Region 4 Director - Eugene Seah (Singapore)

2016-18 New ICEC Director Positions
Research Director - Dr Alexia Nalewaik (USA)
Director – Middle East - Madhu Pillai (Saudi Arabia)
Director – ICEC/IPMA Collaboration - Andrej Kerin (Slovenia)

ICEC Ambassadors
Alexia Nalewaik - ICEC Chair 2014-16
Carsten Wredstrøm - ICEC Chair 2012-2014
Murtala Oladapo - ICEC Chair 2010-12
Peter Cox - ICEC Chair 2008-10
Ginette Basak - ICEC Chair 2006-08
Basie Verster - ICEC Chair 2004-06
Dennis Lenard - ICEC Chair 2000-02
Allen Hamilton - ICEC Chair 1998-2000
Christopher Walker - Inaugural ICEC Chair 1976-1980
Ong See Lian - RICS Global President 2011-12, PAQS Chair 2003-05, RISM President 2003-04
Adesh Jain - IPMA Chair 2007-08, ICPMA President 2008-09, PMA-India Hon National President

21.0 ICEC Budget and Subscription Fees for 2016-18

Peter Smith provided a written report on the proposed ICEC Budget and Subscription Fee Structure that is included in the Meeting Agenda Book (page 380).

Peter provided an overview of the report and noted that ICEC membership subscription fees have basically remained the same since April 2004. He added that whilst there is a need to increase fees for the 2016-18 term to counter the effects of inflation and to also provide greater scope for ICEC to enhance the level and quality of services to member association, this needs to be balanced against the capacity of member associations to pay increased fees particularly in the current challenging environment for professional associations.

Peter commented that the ICEC Executive Officers had discussed this issue prior to the Council Meeting. There was a consensus amongst the Executive that ICEC subscription fees and other fees should not change.

Therefore Peter Smith proposed that there be no change to the ICEC Subscription and Fee Structure for the 2016-18 term.

This was voted on and approved by meeting delegates.
Accordingly, the approved **ICEC Subscription and Fee Structure for 2016-18 (in A$)** is as follows:

<table>
<thead>
<tr>
<th>Fee Type</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Annual Membership Fees (Full Members)</strong></td>
<td></td>
</tr>
<tr>
<td>Fee per individual member</td>
<td>0.65</td>
</tr>
<tr>
<td>Fee per organisational member</td>
<td>16.00</td>
</tr>
<tr>
<td>Minimum annual fee</td>
<td>425.00</td>
</tr>
<tr>
<td>Maximum annual fee</td>
<td>10,700.00</td>
</tr>
<tr>
<td><strong>Annual Membership Fees (Associate Members)</strong></td>
<td></td>
</tr>
<tr>
<td>Fee per individual member</td>
<td>2.00</td>
</tr>
<tr>
<td>Fee per organisational member</td>
<td>20.00</td>
</tr>
<tr>
<td>Minimum annual fee</td>
<td>100.00</td>
</tr>
<tr>
<td><strong>International World Congress &amp; Forum Fees</strong></td>
<td></td>
</tr>
<tr>
<td>International World Congress - Fee per delegate</td>
<td>55.00</td>
</tr>
<tr>
<td>(Note – No maximum fee for International World Congress)</td>
<td></td>
</tr>
<tr>
<td>ICEC Endorsed Forums - Fee per paid delegate</td>
<td>20.00</td>
</tr>
<tr>
<td>ICEC Endorsed Forums - Maximum forum fee</td>
<td>5,700.00</td>
</tr>
<tr>
<td><strong>Annual Certification/CPD Program Fees</strong></td>
<td></td>
</tr>
<tr>
<td>Fee per certified individual</td>
<td>2.85</td>
</tr>
<tr>
<td>Maximum certification fee</td>
<td>2,500.00</td>
</tr>
</tbody>
</table>

Peter Smith then presented the proposed 2016-18 Budget that is included in the Meeting Agenda Book (page 381). He commented that the ICEC Executive Officers had also discussed this budget prior to the Council Meeting.

Discussion was then held on the proposed budget. No changes were recommended so Peter Smith proposed that the 2016-18 Budget be approved without change.

This was voted on and approved by meeting delegates.
The approved **ICEC Budget for 2016-18 (in A$)** is therefore as follows:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>AU $</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Income</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. ICEC Account - Interest</td>
<td></td>
<td>4,500.00</td>
</tr>
<tr>
<td>2. ICEC Accreditation Fees (included in Subscription Fees)</td>
<td></td>
<td>0.00</td>
</tr>
<tr>
<td>3. ICEC Forums</td>
<td></td>
<td>0.00</td>
</tr>
<tr>
<td>4. ICEC International Congress Levy</td>
<td></td>
<td>10,000.00</td>
</tr>
<tr>
<td>5. Subscriptions &amp; Prior Year Subscriptions</td>
<td></td>
<td>75,000.00</td>
</tr>
<tr>
<td>6. Miscellaneous</td>
<td></td>
<td>500.00</td>
</tr>
<tr>
<td><strong>Total Income</strong></td>
<td></td>
<td><strong>90,000.00</strong></td>
</tr>
</tbody>
</table>

| **Expenditure** |        |          |
| 1. Chair Expenses |        | 10,000.00|
| 2. Congress Expenses |        | 1,000.00 |
| 3. Gifts & Awards |        | 500.00   |
| 4. Secretariat Services & Office Expenses |        | 43,000.00|
| 5. Secretary-Treasurer Expenses |        | 24,500.00|
| 6. Region 2 Expenses |        | 5,000.00 |
| 7. ICMS Expenses |        | 1,000.00 |
| 8. Publications/Marketing Materials |        | 500.00   |
| 9. Website Maintenance/Development |        | 2,000.00 |
| 10. Miscellaneous |        | 2,500.00 |
| **Total Expenditure** |        | **90,000.00** |

(Note: ICEC Member organizations must ratify the Subscription and Fee Structure within 90 days after the posting of these minutes on the ICEC website in order for them to take effect. Votes must be submitted, aye or nay, within that time. Lack of a response within 90 days shall be taken as acceptance of this proposal).

### 22.0 ICEC 2016 Awards

The nominations for ICEC Awards and nominating letters (where required) are included in the Meeting Agenda Book (pages 382-404).

ICEC Chair, Alexia Nalewaik, closed the meeting to those attendees who had been nominated for the Distinguished International Fellow (DIF) Award. Discussions were then held on each DIF Award nominee and voting held.

The DIF award recognises individuals who have made significant contributions to ICEC and to the association or institute of which they are a member for a period of years. The award criteria is that they must:

1. Have held a significant volunteer position in both ICEC and a member association or institute;
2. Have had significant involvement over a period of several years in both ICEC and a member association or institute; and
3. Must have made a significant contribution to the development of the cost management profession
Five DIF nominations were received. After discussion on the nominations it was proposed that a vote be taken collectively on all five nominations.

The nominations were voted on and 4 nominations were approved by the meeting delegates.

One nomination was rejected but was approved by the meeting delegates for a Special Central/South America Award.

Accordingly, the newly approved ICEC Distinguished International Fellows (DIF) are:

1. Madhu Pillai (Saudi Arabia – nominated by AACE International)
2. Emanuele Banchi (Italy – nominated by AICE)
3. Peter Smith (Australia – nominated by AIQS)
4. Angelo Valle (Brazil – nominated by IBEC)

Following the approval of the awards the nominees in attendance returned to the meeting and were informed of the decision. The awards would be conferred at the Congress Gala Dinner following the Council Meeting.

The Chair, Alexia Nalewaik, then informed the meeting that the ICEC Executive had decided that the other reward recipients should be kept confidential and announced at the Congress Gala Dinner. This would add an element of anticipation for the award and would provide a nice surprise for the winners.

The following awards were subsequently made at the dinner:

ICEC Chair Award: TT Cheung (Hong Kong)
Peter Smith (Australia)

ICEC Region 1 Award: State Deputy Luis Paulo (Brazil)
State Deputy Paulo Ramos (Brazil)

ICEC Region 2 Awards: Andrej Kerin (Slovenia)
Alec Ray (United Kingdom)

ICEC Region 3 Award: Prof JJP (Basie) Verster (South Africa)
Prof Rob Pearl (South Africa)

ICEC Region 4 Award: Julie Cruz (The Philippines)
Keith Yim (Hong Kong)

Special Central/South American Awards: Maria Teresa Zapata
Maria Teresa Pino
Alejandro Vargas
Alfredo Serpell
José Calix
Diana Espinosa Bula
MNST Eng. Amparo López
Edson Bez da Silva (Edinho Bez)

A certificate and present were also presented to Alexia Nalewaik at the dinner for her work as ICEC Chair.
23.0 Any Other Business

There was no further business raised by meeting attendees.

24.0 Next Full Council Meeting

The venue for the next full ICEC Council Meeting was announced by Grant Warner and Peter Clack (AIQS) as Sydney, Australia in November 2018. The meeting will be held in conjunction with the joint 2018 11th ICEC World Congress & 22nd PAQS Congress from 15-20 November 2018. The specific dates of the Council Meeting will be provided in due course.

25.0 Closing Remarks - New ICEC Chair

Outgoing ICEC Chair, Alexia Nalewaik, turned the gravel over to the Incoming Chair, TT Cheung, who made closing remarks and thanked Alexia on behalf of ICEC for her work over the past two years.

26.0 Adjournment

Alexia Nalewaik then adjourned the meeting on Sunday 9 October at approximately 5.30 PM.

Respectfully submitted,

Peter Smith
ICEC Secretary General

(Note: Electronic copies of these minutes, the Meeting Agenda Book and the Meeting Agenda Book addendum are available on the ICEC website)
ITEM 5

Matters Arising from the 40th Council Meeting Minutes
8/9 October 2016
Rio De Janeiro, Brazil
ITEM 6

ICEC EXECUTIVE OFFICER REPORTS

a. Chair – TT Cheung
b. Senior Vice Chair – Kwadwo H Osei-Asante
c. Administrative Vice Chair – Gianluca di Castri
d. Administrative Vice Chair – Julie Owen
e. Technical Vice Chair – Angelo do Valle
f. Advisory Board Chair – Roger Batten
g. Immediate Past Chair – Alexia Nalewaik
h. Region 1 Director – Paulo Dias
i. Region 2 Director – Alec Ray
j. Region 3 Director – Kofi Obeng Ayirebi
k. Region 4 Director – Eugene Seah
l. Research Director – Alexia Nalewaik
m. ICEC/IPMA Director – Andrej Kerin
n. Middle East Director – Madhu Pillai
o. Secretary-General – Peter Smith

I. Secretary General Report
II. Financial Report
It is my honour to have served the ICEC as chairman for the last two years. It has been an unforgettable experience in my life. I have made a lot of friends around the world and get to know our profession better under different perspectives.

One of my biggest challenges during my chairman term was frequent travelling, in particular for the long haul one. My first long haul flight was to fly 33 hours from Hong Kong to Rio de Janeiro in October 2016 to take up the chairmanship. Then my travel diary was like this:

- July 2017 – Vancouver, attending PAQS Congress and ICEC Region 4 meeting (13 hours flight)
- November 2017 – London, attending the ICEC Region 2 meeting (12 hours flight)
- February 2018 – Palm Spring, USA, attending the ICEC Region 1 meeting (12 hours flight)
- March 2018 – Beijing, meeting with CECA (3 hours flight, the shortest trip)
- June 2018 – San Diego, attending the AACE Conference (12 hours flight)
- November 2018 – Sydney, attending the ICEC and PAQS congresses

There was supposed a trip to Africa last year to attend the AAQS conference and Region 3 meeting but the conference was postponed due to political reasons. Otherwise it would be added to my chairman’s travel diary.

Despite the long travels, I enjoyed all the trips very much as it gave me a personal feel on the diverse interests and focus of our profession in different areas of the world. I would like to take this opportunity to thank you for the hosting organizations for their wonderful treatment to me during my stay. I would also like to thank HKIS for their financial support to most of my trips to enable me to deliver my commitments to ICEC.

How to extend the coverage of ICEC over the world is one of my big agenda. ICEC is geographically grouped under 4 regions: Region 1 – Americas, Region 2 – Europe, Region 3 – Africa and Region 4 – Asia. I heard a strong voice from our friends in South America for the formation of Region 5 – Central and South America. I am inspired by the hard work of IBEC in strengthening the cost engineering profession in Latin America where IBEC had signed co-operation agreements with 5 Latin American countries: Argentina, Bolivia, Colombia, Cuba and Honduras. Honduras joined ICEC last year and I wish the rest of the Latin American countries would follow soon.
The Board saw the apparent missing link with the Middle East and the Russian speaking countries. I am indebted to the tremendous effect made by Madhu Pillar in building up our link in the Middle East. I am also very pleased to have Sean Regan’s assistance in venturing between the Eastern European countries and the Russian speaking countries to see how ICEC would open a new chapter in this area. As a travelling fan, I always enjoy following Sean’s facebook on where he is. His travelling frequency is simply amazing. I sincerely wish that we can achieve something in the near future.

For Region 4, I am pleased to report that I have tried my best to persuade and convinced my friends from Brunei and Indonesia to join ICEC as Associate Member. I am yet to hear the good news from our Korean friend. I will continue to watch out for any opportunity to get the countries in Indo-China (Vietnam, Bangkok, Laos, Myanmar) and those along the “One Belt One Road” countries (Kazakhstan, Uzbekistan, Turkey, Mongolia, Pakistan, etc) to join ICEC. To this end, I will continue as the ICEC Ambassador to CECA to tap their relationship with the One Belt One Road countries.

For Region 3, our existing members are mostly located in the middle to southern part of Africa. I am given to understand by our incoming chair, Osei-Asante, that he had a plan to get the French speaking countries from the north of Africa to join ICEC. I will leave this to his able hand.

With our growth, we should work in closer collaboration with other international organizations, in particular those which we have signed MOUs, instead of competition. The relationship of ICEC and AACE is a good example. We live with mutual benefit. You may aware that there is an agenda to call for your valuable comments on how ICEC should position itself in the world and I encourage you to actively participate in the discussion which follows shortly.

My biggest wish in my chairman term is to create a young chapter for ICEC. I have spent many years to build the foundation for its set up. I personally met up with the outstanding young professionals while I was in Brazil, US and the UK to hear their views on my initiative. A Task Force on the formation of the young chapter for ICEC was formed with excellent representation around the world and they have worked hard to make my dream comes true. A proposal has been prepared by the Task Force and it is now being discussed and comments collected at the PAQS YQS Group meeting today. This morning, Osei, Peter and I went to meet them and explain the background of the initiative and I would expect that they come up with a final proposal to present it at our Board meeting for approval to formally set up the ICEC Rising Professional Group.
The preparation of the ICEC Construction Glossary in multiple languages is at the final stage. I am thinking of tasking our new RPG to expand the glossary to cover more terms.

I have not forgotten the production of an ICEC Business Directory as most members agree that the business directory will facilitate members in sourcing partners or assistance when cross-countries services are needed.

Apart from certification, ICEC always see research and sharing of cost data as its important core value. I am hoping to see your views on what sort of research and cost data you would like to make use of the ICEC international platform so that Alexia, our Research Director, would be able to come up with a more detailed plan.

I would like to congratulate AIQS led by Professor Anthony Mills, who is also Deputy Director of Region 4, for the successful organization of the joint ICEC and PAQS conference in the beautiful city of Sydney. I wish everyone a wonderful stay in Sydney, make the best of your time to meet old friends and make new friends here and bring a good memory back home.

Finally, I wish to say thank you very much for all your great support during my term as chairman. I am truly indebted!

I bought a gift for ICEC. It is a new set of gavel as I have only got the hammer from Alexia in Brazil without the base plate. I will pass the new set to Osei. :
ITEM 6.b - Senior Vice-Chair’s Report – Kwadwo Osei-Asante

INTERNATIONAL COST ENGINEERING COUNCIL

Report by Senior Vice-Chair for 2016-2018 for ICEC Council Meeting in Sydney, Australia 15-16 November 2018

1.1 Duties Performed

In accordance with Article IV of the Constitution and Bylaws of the International Cost Engineering Council, as amended in November 2014, the Senior Vice-Chair:

a) was an active member of the Executive Committee and partook in all Skype Meetings of the Committee in furtherance of management of the Council,
b) administered the assets of ICEC and has given account of the balance sheets which have been submitted for discussions and approval,
c) in cooperation with the Secretary General and the Chair reviewed the action plan and corresponding budget for discussions and approval by the Council,
d) as Chair of the Membership Development Committee initiated moves by developing and maintaining relations with external organisations, coordinated activities to stimulate cost management associations to encourage the growth of ICEC through new membership, and
e) served as co-Chair of the Planning Committee.

It is noted that there was no review of the Constitution and Bylaws and the Strategic Plan.

2.0 Africa Cost Management Congress

Together with Mahdu Pillai, Sean, Njeri and Nic Bennet, the Proposed African Cost Management Congress as the primary audience to be used for the future of “Region 3 ICEC for the whole of Africa – North, South, East and West”, could not come on but must be resurrected, bearing in mind the role to be played by ICEC Members of French Society for the Advancement of Project Management (SMaP France), Association Francophone de Management de projet (L’ A F I T E P) and Instituto Brasileiro de Engenharia de Custos (IBEC).

I suppose that Sean’s confirmed sponsorship from Russia is still current and that he and Madhu’s engagement with the AACEI’s China task Force Leader Mr. Feng to explore sponsorship from Chinese companies operating in African Continent will materize.

3.0 Conclusion

From my engagements, it is noted that Language barriers of Francophone, Anglophone, Lusophone and Arabic countries could offer major challenges in the pursuit of ICEC objectives and should be addressed.

Secondly, ICEC should support the Regions in Education and Training in Project Management, Project Controls, Quantity Surveying and Cost Engineering and professional advancement/progression through Certification.

KH OSEI-ASANTE,
SENIOR VICE-CHAIR, ICEC
ICEC ADMINISTRATIVE VICE-CHAIR REPORT
2016-2018 Julie Owen CCP, PSP FAACE
It is my pleasure to serve as Administrative Vice Chair the past two years. I participated in the following ICEC Activities during this period:

- Participated in quarterly ICEC Executive Calls
- Conducted ICEC 2018 Region 1 meeting (USA)
- Attended ICEC 2017 Region 2 meeting (UK)
- Attended ACoste 2017 event (UK)
- Attended ICEC World Congress 2016 (Rio De Janeriro, Brazil)

As a executive of ICEC, much of my time was spent supporting participation in ICEC. As such I attended meetings and presented papers in multiple regions, and other member societies’ conferences and meetings around the world.

PRESENTATIONS
- ICEC World Congress 2018 (Sydney, Australia) OlympicFeat: How Los Angeles Metro is Managing Transit Upgrades
- China Power Development Forum 2018 (Wuzhen, China): Los Angeles Metro Program Management Information System
- InEight Future Now Forum 2018 (Scotsdale, Arizona): Owner’s Perspective Panel Discussion
- Project Controls Institute 2018 (Webinar) OlympicFeat: How Los Angeles Metro is Managing Transit Upgrades
- Google Tech Talk 2018 (Mountainview, California): OlympicFeat: How Los Angeles Metro is Managing Transit Upgrades
- Project Controls Expo 2017 (London, United Kingdom): LA Metro Implements Collaborative Risk Tracking. Author: Julie Owen, PSP, CCP
- Oracle Primavera Transportation Virtual Summit 2017: LA Metro Scheduling and Risk Management Innovation in P6. Author: Julie Owen, PSP, CCP
- AACE Annual Meeting 2017 (Orlando, Florida): LA Metro Implements Collaborative Risk Tracking. Author: Julie Owen, PSP, CCP
- AACE Russia TCM 2017 (Moscow, Russia): AACE State of the Association. Speaker: Julie Owen, PSP, CCP
- AACE Russia TCM 2017 (Moscow, Russia): Total Cost Management Overview. Author: Julie Owen, PSP, CCP
- AACE Russia TCM 2017 (Moscow, Russia): LA Metro Implements Collaborative Risk Tracking. Author: Julie Owen, PSP, CCP
- AACE Western Winter Workshop 2017 (Palm Springs, CA): LA Metro Implements Collaborative Risk Tracking. Author: Julie Owen, PSP, CCP
- ICEC World Congress 2016 (Rio De Janeriro, Brazil): Promoting the LA Metro Program Management Office Value Proposition. Author: Julie Owen, PSP, CCP
- AACE South Central Section Meeting 2016 (Northridge, CA): AACE State of the Association. Speaker: Julie Owen, PSP, CCP
- AACE Russia TCM 2016 (Moscow, Russia): AACE State of the Association. Speaker: Julie Owen, PSP, CCP
AACE Russia TCM 2016 (Moscow, Russia): Promoting the LA Metro Program Management Office Value Proposition. Author: Julie Owen, PSP, CCP

ICEC was established to promote cooperation between national and multinational cost engineering, quantity surveying and project management organizations worldwide for their mutual benefit and for that of their individual members. Key cooperation elements include:

- Sharing of information and lessons learned
- Increasing visibility of CE, PM & QS
- Leveraging resources of larger member organizations and peers
- Promoting the future of the profession
- Supervising stricter procedures surrounding accreditation of certification programs
- Encouraging growth of member associations
- Attracting new member organizations
- Supporting academic contribution and chartered research
- Developing academic programs
- Mentoring younger members

Comment on AACE International
Declining membership trends in international membership have caused the AACE Board to nationalize their focus. With decreasing revenues and limited understanding of ICEC membership benefits it is not clear Board leadership will continue to support ICEC membership. International membership trends (2008 to 2018) shown below:
ICEC Ambassadors and the Advisory Board

ICEC Ambassadors are drawn from experienced individuals who have held senior positions within ICEC, its member associations or other allied professional organisations.

The ICEC Advisory Board is selected from those Ambassadors who are available to advise the ICEC Executive, as and when required, on matters such as policy and strategy.

A question has been raised on the introduction of an ICEC equivalent of the IPMA certification programme. This has not previously been considered practical as several member associations already have their own successful programmes and ICEC certainly does not have the resources necessary to administer such a programme. However, ICEC does provide a range of professional competency standards developed by member associations in the development of their own education and certification programmes. The objective is to share information about the various standards for mutual benefit.

A further question has been raised over the recognition of professional qualifications for employment. It would appear to be entirely up to the employer what qualifications, if any, they would be prepared to recognise. Enlightened employers, one would hope, would always be looking for professionally qualified staff but, as we all know, not all employers are enlightened and not all staff see the need to be professionally qualified. It is not only up to ICEC member associations to be prepared to recognise other ICEC member association’s accreditation programmes but also for individual members of ICEC member associations to influence their own employers to recognise these programmes.

ICEC was established in 1976 to promote cooperation between national and multi national cost engineering, quantity surveying and project management organisations worldwide for their mutual benefit and for that of their individual members. Starting with four founder members ICEC has grown to include some forty eight member associations. Some of these member associations are, however, not renewing their membership on the premise that their membership of ICEC is no longer relevant in today’s world. This trend should be reversed by demonstrating the unique value of ICEC membership where the whole can be so much more effective than the sum of the parts. There are also other organisations who could participate and these should be encouraged to become members, if they so wish, with the support of the other ICEC members.

Although ICEC has elected Executive Officers and a centralised Secretariat, currently in Sydney, Australia, the organisation of ICEC member associations is divided geographically into regions to encourage communication and to foster joint congresses, symposia and forums. Each region has an appointed Regional Director and Secretary to coordinate and oversee activities and Deputy Directors to oversee specific activities. However, where the Middle East fits in remains uncertain. This should only be decided by member associations from the Middle East of which, at present, there are none –although I understand an Iranian Association for Cost Engineering has recently been launched. Also – Overseas local Chapters, Sections or Regions of ICEC member associations in different Regions should be encouraged to participate in their local ICEC Region.

Since 1996 ICEC has had its own website providing a summary page and links to all member association websites. This website is continually evolving and contains detailed information about ICEC, including the ‘ICEC International Cost management Journal’ and the ‘ICEC International Roundup Newsletter’ as well as the ‘Requirements for Membership’, and the ‘Constitution and Byelaws’. The continuing development of this website and linkage to other websites should be a priority.
ICEC has reciprocal agreements with IPMA, FIG, AAQS, PAQS and RICS and has Roster Consultative Status granted by the United Nations Committee on Non-Governmental Organisations. There have been discussions in the UK with the Engineering Council and the Royal Academy of Engineering. More should be done to develop these, and other, contacts.

The ICEC budget is small in comparison with other equivalent organisations. The greater part of income comes from ‘Member Association Subscriptions’ which are based on a levy per individual member or corporation. Significant income also comes from ‘Certification and CPD Accreditation’ and ‘Congresses, Forums and Symposia.’ This is sufficient to fund the Secretariat and contribute to the Executive expenses. However, the rest of the Executive expenses and Regional expenses rely heavily on individual officers and delegates obtaining member association and company sponsorship or self funding. Any substantial increase in subscriptions may not be welcome but member associations, who do not already do so, should be encouraged to underwrite their ICEC Executive’s and Delegate’s expenses. Member associations should also be encouraged to designate their own conferences or meetings, where this does not already happen, an ICEC forum or symposium, thus providing a levy per delegate.

Roger M Batten
10th October 2018
This year, ICEC’s World Congress is hosted in conjunction with PAQS by AIQS in Sydney. Having seen the location of the event and participated in a small part of the planning, I express the gratitude of the global professional community to AIQS, the local organizing committee, sponsors, participating institutions such as AACE, PAQS, and the RICS, and the event managers.

It is difficult to believe these past two years have flown by so quickly. I have become President of AACE International, and continue to travel worldwide, meeting people from ICEC member associations around the world, the companies that employ them, potential new members, government institutions, and (of course) have made many new friends. I have transitioned as trustee from ICMS to IESC, the International Ethics Standards Coalition, and have spent much of the past year promoting ethics standards and education. I have also recently become a Professor of engineering economics at American University, and I am thrilled to be actively promoting and teaching cost engineering skills.

We remain immensely grateful for the considerable efforts of Dr. Peter Smith and the ICEC Secretariat, who have effected seamless transitions from Chair to Chair, and carry with them much of the institutional knowledge of what is needed for day-to-day administration of the organization.

Thank you to the Executive Board, Ambassadors, Advisory Committee, and the many volunteers from member associations who have volunteered their time, expertise, knowledge, and other resources to support ICEC and further our profession. The future of ICEC is now in the capable hands of the incoming Executive Board, and the many member individuals who volunteer and support the ICEC mission and strategic plan.
ITEM 6.h - Region 1 Director Report – Paulo Dias

The Region 1 Director's report is combined with the IBEC (Brazil) Country Member Report in Agenda Item 8.1
ICEC REGION 2 (EUROPE AND NEAR EAST):
REPORT TO ICEC CONGRESS, SYDNEY 2018

The ICEC Region 2 Committee is as Follows:

Alec Ray: Region 2 Director (UK)

Robert de Vries: Deputy Director, Standards/Professional Development/Research (Netherlands)

Sean Regan: Deputy Director Marketing (Europe/USA)

Alan Barltrop: Deputy Director External Relations (UK)

Gianluca de Castri (Italy)

Andrej Kerin (Slovenia)

Roger Batten (UK)

1. The ACostE hosted the ICEC Region 2 (Europe and the Near East) Annual Meeting in London, on Friday 17th November, at 10 Fleet Place - the London offices of Mott MacDonald.

- Overall 23 Delegates attended, including T T Cheung (ICEC Chairman), Alexia Nalewaik (ICEC Immediate Past Chairman), and Peter Smith (ICEC Secretary General). Delegates represented member societies in Region 2 from France, Italy, The Netherlands, Slovenia and the UK. Other countries represented were Australia, Bolivia, Hong Kong, Kazakhstan and the USA. Alec Ray, as ICEC Region 2 Chairman, chaired the meeting and the Association was represented by our President Angela Pammenter, Alan Jones and Roger Batten. We were particularly pleased to welcome Ing. Maria Teresa Dolenz, Presidente Unión Panamericana de Asociaciones de Ingenieros (UPADI).

- The ICEC Secretary/General, Peter Smith reported on the ICEC Congress in Rio, and also on the preparations for the Sydney Congress. In addition, he reported that ICEC continues to implement a range of projects and initiatives to help develop the project management profession on a global scale. Some examples are: ‘ICEC Glossary Project’ - a global multilingual glossary for Cost Engineering/Quantity Surveying/Project Management terms, ‘ICEC Global Standards Project’ - an inventory of global Best Practice and Standards for Project Cost Management that is available in the ICEC website at: www.icoste.org/category/resources, ‘ICEC Young Person Group Project’ - encouraging participation by students and young professionals, ‘ICEC International Cost Management Journal (ICMJ)’ - a peer reviewed online journal, ‘International Roundup Newsletter’ - published on-line twice a year in March and October.
In the afternoon there were three presentations:

- ‘ACostE Accreditation and CPD’, by Alan Jones. ACostE Tiered Accreditation is a flexible route to full professional accreditation.

- ‘International Construction Measurement Standards (ICMS)’ by Alan Muse of Royal Institution of Chartered Surveyors (RICS). The ICMS Coalition has developed the Standard which was launched at the Vancouver PAQS Congress in July 2017.

- ‘Inspiring Professional Excellence (IPE)’, by the ACostE IPE (Young Professionals Group) Group: Rhys Tyler from Mott MacDonald and Philippa Rogers and Daniel Scadding from the UK Ministry of Defence reported that the IPE scope, includes sharing information and knowledge, utilising an IPE network, growing both personal and professional development, creation of a sense of engagement with developing professionals and improving the business performance.

2. As well as the presentations a session was held to discuss ‘Cost Engineering in the Future’. Some of the main challenges and opportunities were identified as:
   - More co-operation, interaction and sharing knowledge with the other Project Management/Controls Societies, and other allied Societies.
   - How does the profession attract support and sponsorship from some of the world’s largest and fastest growing organisations, such as Apple, Google, Microsoft, Samsung, IBM etc.
   - How will Artificial intelligence (AI) affect our profession in the future.
   - The growth of Cost Engineering/Project Controls especially in China, India, South America and Africa.

3. At the close of the proceedings Bruce Watson, Past-President of the Association and, for many years, the ACostE Delegate to ICEC, was presented with a ‘Life Time Achievement Award’ for ‘significant contributions to ICEC and the development of the Global Cost Engineering Profession’. He was also presented with an ACostE Award for ‘Services to the Association’.

4. The next ICEC Region 2 (Europe and Near East) meeting is scheduled to be held at the ICEC 11th World Congress in Sydney in November 2018.

5. The 2022 ICEC World Congress is scheduled to be held in Europe, and the venue will be discussed and agreed at the Sydney Council Meeting.

6. Roger Batten, Alan Barltrop and Alec Ray send their apologies, as they are unable to attend the ICEC Council Meeting in Sydney.

Alec Ray
Chair, ICEC Region 2
23 October 2018
It was my pleasure to serve to ICEC as Administrative Vice Chairman in the two years period being elected on mentioned position on the ICEC Council meeting between the 9th ICEC World Congress held in Milan in 2014 and 10th ICEC World Congress held in Rio de Janeiro in 2016.

In that period I was focussed on ICEC - IPMA cooperation and development of future Project management profession, which could be acceptable from ICEC and IPMA side. A lot of efforts have been done to build up a common standard of the Project management profession as well as already in former period of two years and much more, looking back to our beginning of cooperation and forward to year 2020 and more. This was also my central theme to discuss in my report for 10th ICEC World Congress held in Rio de Janeiro in 2016.

I accepted the nomination to serve two years more in the role of IPMA/ICEC director, hoping to be successful and here is my report.

It is not necessary to emphasise all former discussions, ICEC-PMA Workshops, decisions, actions and obligations accepted to build a common standard PM profession as well as standard profile of CE and QS if we have in mind as a minimum compatible common knowledge and skills. In Rio I reported about the efforts and actions accepted to build the new system of certification acceptable for ICEC and IPMA world associations. Some of events and actions are given below.

- The Workshop ICEC-IPMA held in Ljubljana on 2nd and 3rd June 2014 Mladen Radujković, Brane Semolič Gianluca di Castri, Andrej Kerin)
- The workshop in Milan on Sunday 19th October 2014 before 9th world Congress (Mladen Radujković and Roberto Mori
- Preparation of promotion of ICEC Congress on IPMA website or on Rotterdam IPMA world congress (Gianluca di Castri)
- PM /CE Profession’s vision 2020 was partly presented on the Milan workshop by Gianluca di Castri, Alexia Nalewaik, Peter Smith and Alec Ray on behalf of ICEC. Deadline for paper/presentations preparation was 31st July 2014.
- PM Profession’s vision 2020 was presented on the Milano workshop by Klaus Pannenbäcker, Brane Semolič on behalf of IPMA
- For all actions the persons in charge were nominated, but the crucial decision of nomination of common ICEC IPMA head working group was not realised. Some actions were frozen for quite a long period because of other priorities within ICEC and also IPMA, where the celebration of 50th Anniversary of IPMA and Panama World Congress 2015 were in first plan.

Nevertheless it was worthwhile to continue the work on shaping future Project management & Cost engineering profession or using the word Projects profession invented and launched by Alec Ray already in Dubrovnik (2013) on 27th IPMA World Congress – in parallel 2nd IPMA & ICEC congress, or even before, since the first collaboration agreement between ICEC & IPMA has been signed in the 1994.
Beside this we have had 1st ICEC – IPMA world congress in Ljubljana 2006, IPMA & ICEC International Research Forum 2011 in Portorož Shaping Future of Project Management Profession Opportunities of Collaboration between Different Global Professional Associations

And much more!

Discussion about my report in Rio showed that there was not much interest to pay more attention on behavioural competences, but to focus more on technical competences and so it is near impossible to take in account such a decision if we want to build common standards with IPMA specially taking in account that IPMA launched on Panama World Congress 2015 new standards ICB4 and ICR4 which are now step by step the only standard accepted in all IPMA MAs.

The IPMA President Reinhard Wagner presented on the ICEC Congress in RIO the mentioned standards which could be reached in IPMA website by everybody interested to pass the exam/or certification process and get the certificate according the new standards ICB4 and ICR4.

I had a personal discussion with him to find out if IPMA is still interested to build together with ICEC in future common standard, but he did not show interest for cooperation, being satisfied with decisions taken in Panama. So our plan of common ICEC-IPMA standard could be acceptable in future when launching new versions of standards.

In November 2017 I attended ICEC Region 2 meeting in London and reported about the case of relative new ICEC member DVP which has uniquely accredited training material on the basis of which they “produce” ICEC certified managers, but after changing the top management they decided to cancel the ICEC membership. I tried to get in touch with new director but was not successful, though Klaus Pannenbäcker presented on the 9th ICEC World Congress in Milan a collaboration between two German associations DVP (ICEC - MA) and GPM (IPMA - MA) in the field of certification process where they found a lot possibilities for Collaboration though GPM has a Certification process based on ICB in ICRG. In the moment of finishing this report I can only promise to try again to get contact with DVP management and report of the result.

At the end I want to say that ICEC decision to give priority to common global ICEC standard did not bring a crucial result in a form of standard or book though we all know that period of two years is not enough to find a solution acceptable for all ICEC member associations. We have to consider if our former proposal for cooperation and collaboration at least between IPMA and ICEC could give results if we restart our efforts. Namely all mentioned proposals of collaboration are oriented even wider like Ray’s International projects council and many others. Action is needed! ...

Finally I have to apologise myself being not able to come to Sidney, so I wish you a successful work and pleasant meeting.

Thank you!

Andrej Kerin
ITEM 6.n – Middle East Director – Madhu Pillai

• Publicized ICEC during my speaking engagements in professional communities
• Efforts are on to get local / Regional Professional bodies as ICEC Members

Madhu Pillai
2018 SECRETARY GENERAL REPORT – PETER SMITH

1.0 Introduction

I am pleased to present my 6th Secretary-General's Report since taking up the position in 2006.

I would like to start by thanking TT Cheung, the ICEC Chair, for his excellent leadership of ICEC during his two year term. TT has provided a valuable platform for ICEC for many years to come with his contributions. These include his leadership in implementing and further developing the ICEC Strategic and Action Plans, the ICEC Young Person Group and his ongoing support and development of the profession across the globe. He has provided myself and the ICEC Secretariat with valuable assistance and support throughout his term.

I would also like to thank the ICEC Administration Manager, Kristy-Lee Gardiner, and all of the ICEC executive officers and regional directors/deputy directors/assistant secretaries for all of their support and valuable contributions over the past two years. This also extends to all ICEC delegates and others who have provided assistance and support to myself and the Secretariat.

2.0 In Remembrance - José Chacon de Assis

On behalf of the ICEC Executive Board and the ICEC community we would like to offer our sincere condolences to José’s wife Sylvia, his family, his many friends and his IBEC colleagues. We were all very shocked to hear the very sad and tragic news about José who was tragically killed in a motor vehicle incident in July 2018.

José has made such a valuable and important contribution to ICEC, IBEC and the development of the Cost Engineering Profession in Brazil and South America generally. We have always greatly valued his contribution and support for ICEC over many years. His work will always be remembered and valued.

But above all he was a very good and kind man. Sylvia and his family were the most important thing to him. We offer our prayers and best wishes to Sylvia and his family during these very difficult times.

He will be sorely missed by us all. May he rest in peace.

3.0 ICEC Secretariat

The ICEC Secretariat continues to be hosted by the Australian Institute of Quantity Surveyors (AIQS). The AIQS have undertaken this role since 2004 and provide considerable administrative, accounting and general support for the Secretariat. The ICEC Administration Manager position forms part of the Secretariat with the manager employed by the AIQS with dual roles as the Executive Assistant to the CEO and the ICEC Administration Manager. ICEC funds the manager role. On behalf of ICEC I would like to duly record my thanks to the AIQS and their Chief Executive Officer (CEO), Mr. Grant Warner, for their invaluable support and assistance.

There have been a number of changes to the manager position during 2016-18. Sally Osborne, the manager since 2015, left the AIQS mid-2017 to follow a new career path. Her position was then filled by a new AIQS employee – Lydia Dickinson. Unfortunately, Lydia only stayed in the job for a few months and left the AIQS in November 2017. The AIQS advertised for a new replacement and appointed Kristy-Lee Gardiner towards the end of January 2018.
The ICEC Secretariat is based in the AIQS headquarters in Sydney, Australia. The contact details are:

International Cost Engineering Council
Level 6, 65 York Street, Sydney NSW 2000 Australia
Tel: + 612 9262 1822, Email: kgardiner@aiqs.com, Web: www.icoste.org

4.0 2018 Joint ICEC/PAQS World Congress – Sydney, Australia

The Australian Institute of Quantity Surveyors (AIQS) are to be congratulated for their excellent and very professional hosting, organisation and planning of the joint 11th ICEC World Congress & 22nd PAQS Congress in Sydney.

On behalf of ICEC I would like to thank the AIQS CEO, Grant Warner, AIQS President, Professor Anthony Mills, AIQS Events and Education Manager, Lani Kirby, and the whole AIQS team for all of their hard work and dedication to delivering this event. The target of the organising team was 400 delegate registration and I am pleased to report that this was exceeded to the point that the ‘full house’ sign went up many weeks before the start of the congress.

This all augers well for a tremendous conference and we all look forward to it commencing on Sunday 18 November after the preliminary ICEC and PAQS meetings.

The AIQS will provide an update on the congress preparations to meeting delegates later in the Council Meeting.

5.0 2020 12th ICEC World Congress – Accra, Ghana

The Ghana Institution of Surveyors (GhIS) have been awarded the hosting rights for the 2020 12th ICEC World Congress. The congress will be held in Accra, Ghana but further details on dates are yet to be determined.

More information about the GhIS can be found at: www.ghisonline.org

GhIS delegates will provide an update on the 2020 congress preparations to meeting delegates later in the Council Meeting.

6.0 2022 13th ICEC World Congress – Region 2 (Europe)

The ICEC World Congress is held every 2 years and rotates between each of the 4 ICEC Regions (1. Americas, 2. Europe/Near East, 3. Africa, 4. Asia-Pacific). The 2016 Congress was held in Brazil (Region 1), this year’s congress is being held in Sydney (Region 4) and the 2020 Congress will be held in Ghana (Region 3).

So Region 2 will host the 2022 ICEC World Congress.

DACE (the Dutch Association of Cost Engineers) have put forward an application to host the 2022 Congress in the Netherlands. Robert de Vries, chair of the DACE board and ICEC Region 2 Deputy Director, will present their bid to host the event later in the Council Meeting. This will then be voted on by meeting delegates (Meeting Agenda Item 9).
7.0 2017-18 ICEC Regional Meetings

ICEC holds regional meetings on an annual basis. The following is a list of ICEC regional meetings held during 2017-18. Thanks are in order to all the associations and individuals who hosted, organised and provided financial support for all the meetings and associated activities.

2017

Region 1 – North & South America
4-5 July 2017 - Rio de Janeiro, Brazil.
Held in conjunction with the national Brazil Cost Engineering Day & IBEC Meetings.

Region 2 – Europe & Near East
17 November 2017 – London UK (Mott MacDonald Office, 10 Fleet Place, London)
This was preceded by:
15 November - IET/ACostE Project Controls Network Prestige Lecture presentation by Cranfield University on the “Future of Cost Engineering”, London
16 November - World Project Controls Expo – Emirates Stadium, London

Region 3 – Africa
2 November 2017, Kampala, Uganda
The Region 3 meeting was held in conjunction with the Africa Association of Quantity Surveyors (AAQS) General Assembly and African Cost Congress hosted by the Kenyan Institute of Quantity Surveyors and the Africa Association of Quantity Surveyors from 2-3 November 2017.

Region 4 – Asia Pacific
23 July 2017 – Vancouver, Canada
The Region 4 meeting was be held in conjunction with the 21st Pacific Association of Quantity Surveyors (PAQS) Congress and PAQS Annual Board Meeting held from 22-25 July 2017.

2018

Region 1 – North & South America
Two Region 1 meetings were held this year (one in North America and the other in South America).
The North America Region 1 meeting was held on 8 February 2018 in conjunction with the AACE Western Winter Workshop in Indian Wells, California, USA.
The South America Region 1 meeting was held by the Brazilian Institute of Cost Engineering (IBEC) in conjunction with their national Brazil Cost Engineering Day & IBEC Meetings. This was held on 6-7 August in Sao Paulo, Brazil.

Region 2 – Europe & Near East
A special Region 2 meeting will be held just prior to the ICEC/PAQS Congress in Sydney, Australia on Saturday 17 November 2018.

Region 3 – Africa
Discussions are currently taking place on the venue/date for the ICEC Region 3 meeting. No further details are available at this stage.

Region 4 – Asia-Pacific
The Region 4 meeting will be combined with the PAQS Annual Board Meeting just prior to the ICEC/PAQS Congress in Sydney, Australia on Saturday 17 November, 2018.
8.0 ICEC 2016-18 Skype Meetings

The ICEC Executive and Regional Officers held a number of regular Skype meetings to augment the regional meetings. The Skype meetings were held to discuss various matters and to develop plans and projects. We are also looking into other technological tools to improve electronic communication within the ICEC executive and the ICEC community generally.

We would welcome suggestions from any ICEC members who have experience/expertise in using and evaluating various web-based meeting software programs, online discussion boards and various social media.

9.0 New ICEC Member Associations

ICEC accepted the Institution of Surveyors Uganda (ISU) as a full member of ICEC effective as at 27 May 2018. We welcome the ISU to the ICEC membership and the council meeting and look forward to collaboration between ICEC, the ISU and all ICEC member associations. Details about the institution can be found at: http://www.surveyorsofuganda.org/

Two further applications have been received recently and will be presented later in the council for voting on by meeting delegates (Meeting Agenda Item 7). The applications are from:

- Pertubuhan Ukur Jurutera Dan Arkitek Puja (Brunei) Surveyor Division
- Indonesian Association of Quantity Surveyors (IQSI)

Membership Certificates will be presented to new ICEC members during the ICEC/PAQS congress following the ICEC/PAQS meetings.

10.0 Cooperative Agreements with Other Associations

ICEC continues to look at opportunities for formal agreements with kindred associations. We currently have the following formal agreements:

**International Federation of Surveyors (FIG)**
ICEC & FIG have a Memorandum of Agreement that was signed in 1999. Details of the agreement can be found at: http://www.icoste.org/about/fig/#more-44/about/

**International Project Management Association (IPMA)**
ICEC & IPMA have a Protocol Agreement that was signed in 1994. Details of the agreement can be found at: http://www.icoste.org/about/ipma/#more-43

**Royal Institution of Chartered Surveyors (RICS)**
ICEC & the RICS have a Memorandum of Co-Operation (MOC) that was signed on 27 June 2012 during the 8th ICEC World Congress in Durban, South Africa. Details of the agreement can be found at: http://www.icoste.org/wp-content/uploads/2011/10/MOC-RICS-ICEC.pdf

**The Pacific Association of Quantity Surveyors (PAQS)**
The MOC was signed at the PAQS Congress & Region 4 Meeting in Hong Kong in June 2014. Details of the agreement can be found at: http://www.icoste.org/wp-content/uploads/2011/10/Memorandum-of-Cooperation_PAQS_ICEC-9Jun2014.pdf

**The Africa Association of Quantity Surveyors (AAQS)**
The MOC was signed at the ICEC World Congress in Milan, Italy in October 2014.

ICEC is currently exploring the possibility of signing an MOC with the European Committee of Construction Economists (CEEC). Details of the CEEC can be found at: https://www.ceecorg.eu/
11.0 ICEC Member Association & MOC Associations – Congresses/Events

The ICEC Calendar on the ICEC Website provides details of congresses and events being held by our member associations and associations that we have Memorandum of Co-operations (MOCs) with. This can be found at: http://www.icoste.org/category/meetings/. The main events during 2017-2018 have included:

May 29-June 2, 2017 – FIG Working Week, Helsinki, Finland.
11-14 June, 2017 – AACE International Annual Meeting, Orlando, Florida, USA.
5-7 September, 2017 – 30th IPMA World Congress, Astana, Kazakhstan.
2-3 November, 2017 – AAQS General Assembly & Africa Cost Congress, Kampala, Uganda
4-5 December, 2017 – Centre for Excellence in Project Management (CEPM) 25 Yr Jubilee Global Symposium, New Delhi, India.
8-11 February 2018 – AACE International 57th Annual Western Winter Workshop, Hyatt Indian Wells, California, USA.
24-27 June, 2018 – AACE International Conference & Expo, San Diego, California, USA.
10-11 December, 2018 – Centre for Excellence in Project Management (CEPM) 26th Global Symposium, New Delhi, India.

12.0 ICEC Officers: 2016-18

The following ICEC Executive Officers served for the 2016-18 term:

ICEC Executive Board
ICEC Chair TT Cheung (Hong Kong)
Senior Vice-Chair Kwadwo Osei-Asante (Ghana)
Administrative Vice-Chair Gianluca di Castri (Italy)
Administrative Vice-Chair Julie Owen (USA)
Technical Vice Chair Professor Angelo do Valle (Brazil)
Secretary-General Dr Peter Smith (Australia)
Advisory Board Chair Roger Batten (United Kingdom)
Immediate Past ICEC Chair Dr Alexia Nalewaik (USA)

ICEC Region Directors
Region 1 Paulo Dias (Brazil)
Region 2 Alec Ray (United Kingdom)
Region 3 Kofi Obeng Ayirebi (Ghana)
Region 4 Eugene Seah (Singapore)

ICEC New Director Positions
Research Director Dr Alexia Nalewaik (USA)
ICEC/IPMA Director Andrej Kerin (Slovenia)
Middle East Director Madhu Pillai (Saudi Arabia)
ICEC Region Deputy Directors

**External Relations**

**Region 1- José Chacon de Assis (Brazil) (In Remembrance & Appreciation)**
- Region 2- Alan Bartrop (United Kingdom)
- Region 3- Michael Olayema Shonubi (Nigeria)
- Region 4 – Julie Cruz (The Philippines)

**Marketing**
- Region 1- Aldo Mattos (Brazil)
- Region 2- Sean Regan (Europe/USA)
- Region 3- Jeffery Aful (Ghana)
- Region 4 – Keith Yim (Hong Kong)

**Standards/Professional Development**
- Region 1- José Calix (Honduras)
- Region 2- Robert de Vries (The Netherlands)
- Region 3- Dr Charles Mbelede (Nigeria)
- Region 4 – Goh Ngan Hong (Singapore)

**Academic Forums/Research**
- Region 1- Diana Bula (Colombia)
- Region 2- Robert de Vries (The Netherlands)
- Region 3- Njeri Wachira Towey (Kenya)
- Region 4- Professor Anthony Mills (Australia)

**ICEC Region Assistant Secretaries**
- Region 1- Heitor Luz (Brazil)
- Region 2- To Be Advised
- Region 3- Osei Agyemang Badu (Ghana)
- Region 4- Zhang Xianwan (China)

**ICEC Ambassadors**
- Dr Alexia Nalewaik ICEC Chair 2014-16
- Carsten Wredstrøm ICEC Chair 2012-14
- Murtala Oladapo ICEC Chair 2010-12
- Peter Cox ICEC Chair 2008-10
- Ginette Basak ICEC Chair 2006-08
- Basie Verster ICEC Chair 2004-06
- Dennis Lenard ICEC Chair 2000-02
- Allen Hamilton ICEC Chair 1998-2000
- Christopher Walker Inaugural ICEC Chair 1976-1980
- Ong See Lian RICS Global Pres 2011-12, PAQS Chair 2003-05, RISM Pres 2003-04
- Adesh Jain IPMA Chair 2007-08, IPMA Pres 2008-09, PMA-India Hon Nat Pres

On behalf of ICEC I would like to thank all of these officers for their work during the 2016-18 term.

**13.0 ICEC Officer Nominations – 2018-20**

Nominations from the ICEC Nomination Committee for the 2018-20 ICEC officer positions will be put forward later in this council meeting (Meeting Agenda Item 22).

These nominations will be voted on by meeting delegates.
14.0 2016-18 ICEC Committees

The following committees were approved at the 2016 ICEC Council Meeting as part of the ICEC 2016-18 Action Plan. These will be presented later in the council meeting for discussion and revision for the 2018-20 term (Meeting Agenda Item 13).

1. Develop written policies & procedures for ICEC
   - Write policies & procedures for the biennial World Congress & administrative generally
   - Team leader: Alexia Nalewaik

2. Establish a baseline Body of Knowledge for cost engineering & quantity surveying
   - Update existing global inventory of Professional Standards/Best Practices
   - Create baseline ICEC Body of Knowledge (in collaboration with IPMA)
   - Team leaders: F Sam Griggs and Andrej Kerin

3. Develop action items for maximizing Memorandums of Understanding and Cooperative Agreements, with a focus on research
   - IPMA, FIG, RICS, PAQS, WFEO, KL Pact
   - Team leader: Angelo Valle

4. Upgrade the ICEC website
   - Team leader: Peter Smith

5. Maintain and grow ICEC membership
   - Identify existing organisations that are not ICEC members
   - Promote the formation of new member organisations in areas underserved by ICEC
   - Team leader: Madhu Pillai

6. Significantly increase marketing of ICEC
   - Identify corporate sponsors & investigate advertising on the ICEC website & Roundup Newsletter
   - Develop regional activities in conjunction with regional board meetings
   - Team leaders – Peter Smith & Eugene Seah

7. Develop a strategy for the participation of younger members in ICEC activities
   - Team leaders: TT Cheung & Eugene Seah

8. Update the online journal
   - Team leaders: Alexia Nalewaik & Peter Smith

9. Improve the Bi-Annual Roundup Newsletter
   - Team leader: Peter Smith

10. Integrate research and education programmes into ICEC activities
    - Team leader: Peter Smith

11. Coalition Member of International Construction Measurement Standard
    - Team leader: Alexia Nalewaik

12. Continue efforts toward development and implementation of United Nations Strategy
    - Includes Central Product Classification (CPC) with ECOSOC and the WTO
    - Team leaders: Murtala Oladapo & HH Kwan
15.0  2018 ICEC Distinguished International Fellow (DIF) Award Nominations

The ICEC Distinguished International Fellow (DIF) award was introduced in 2002 and represents the highest honour that ICEC can bestow on an individual. It recognizes individuals who have made significant contributions to ICEC and to the association or institute of which they are a member for a period of years.

The specific award criteria states that to be eligible for the award a person must:

- Have held a significant volunteer position in both ICEC and a member association or institute;
- Have had significant involvement over a period of several years in both ICEC and a member association or institute; and
- Must have made a significant contribution to the development of the cost management profession.

Previous DIF award winners can be found on the ICEC website at:

http://www.icoste.org/awards/recipients/#more-18

Nominations for the DIF awards will be put forward later in the council meeting and voted on by meeting delegates (Meeting Agenda Item 21).

16.0  2018 Ken Humphreys Young Student/Practitioner Paper Award

The Ken Humphreys Young Student/Practitioner Paper Award was established in 2006 in recognition of Dr. Humphreys' service as ICEC Secretary-General from 1976 until 2006. The award is open to students or young practitioners under 36 years of age and involves the submission of papers through ICEC member associations. The award program is held every 2 years in conjunction with the biennial ICEC World Congresses and the awards are presented at these Congresses. A total of 3 awards are available – one for each of the categories of Cost Engineering, Quantity Surveying & Project Management.

Details of the 2018 Ken Humphreys Young Student/Practitioner Paper Award will be presented later in the council meeting (Meeting Agenda Item 19).

17.0  2018 Jan Korevaar Best Congress Paper Award

The ICEC Jan Korevaar Outstanding Congress Paper Award was introduced in 1992 to recognize the best paper presented at each ICEC World Congress. The award was created in memory of Jan Korevaar, Executive Director of the Dutch Association of Cost Engineers (DACE) and was the Assistant Secretary of ICEC for many years.

Details of the 2018 Jan Korevaar Best Congress Paper Award will be presented later in the council meeting (Meeting Agenda Item 20).

18.0  2018 ICEC Chair & Region Awards

The ICEC Chair and Region Awards are presented at each biennial ICEC World Congress to recognise significant contributions to the work of the Council over the preceding two years.

Details of the 2018 ICEC Chair and Region Awards will be presented later in the council meeting (Meeting Agenda Item 21).
19.0 ICEC Projects & Initiatives

ICEC continues to implement a range of projects and initiatives to help develop the project cost management profession on a global scale. The following provides an overview of some of the main projects.

ICEC Glossary Project

ICEC Admin Vice-Chair Gianluca di Castri has initiated a project to develop a global multi-lingual glossary for quantity surveying / cost engineering terms through the input of all ICEC associations and other kindred associations. The glossary shall have definitions of terms with translations in as many languages as possible with relevant notations for any semantic differences between the languages. The glossary framework has been identified and ICEC Region 2 member associations will be asked to contribute to the glossary.

ICEC Baseline Body of Knowledge Project

ICEC Immediate past chair, Alexia Nalewaik, has been leading an ICEC project to create a baseline ICEC Body of Knowledge (in collaboration with the International Project Management Association). A draft has been prepared and will be circulated to ICEC Region 4 and PAQS members for feedback and input.

ICEC Global Standards Project

ICEC continues to develop an Inventory of global Best Practice and Standards for Project Cost Management that is available on the ICEC website at http://www.icoste.org/category/resources/.

ICEC would like to work with ICEC member associations to further develop this inventory. The overall objective is to provide a single source inventory on the ICEC website that provides best practices and standards (or links to such) from around the world. It is envisaged that this will provide a valuable information source for the global profession.

ICEC Global Sources of Published Project Cost Information

ICEC is developing an Inventory of links to sources of project cost information published around the world. The objective is to build up a comprehensive list of published cost information from as many countries around the world as possible (with web links). This will include information published by commercial publishers, governments, professional associations and private industry firms. As with the Global Standards project, ICEC would like to work with ICEC member associations to contribute to this inventory. The overall objective is to provide a single source inventory of published cost information on the ICEC website.

ICEC Global Professional Network Project

ICEC Admin Vice-Chair Gianluca di Castri has also initiated a project to further develop a global professional network for quantity surveyors and cost engineers. This network was founded in 2014 and now has approximately 800 members. It can be accessed at: https://www.linkedin.com/groups/3419960.

ICEC Business Directory Project

ICEC Chair, TT Cheung, is leading an initiative to develop a global ICEC business directory of quantity surveying/cost engineering firms in collaboration with member associations and other kindred associations such as PAQS (who have previously developed a business register).
ICEC Global Comparative Research Project

ICEC Immediate Past-Chair and ICEC Research Director, Alexia Nalewaik, and ICEC Secretary General, Peter Smith, are working on developing a research framework for international comparative research in the fields of quantity surveying, cost engineering, project controls and project cost management. The objective is to more effectively utilize the vast ICEC international network and bring together academics/practitioners/researchers for this purpose.

ICEC Young Person Group Project

ICEC continues to look at ways to encourage participation by students and younger professionals. ICEC Chair, TT Cheung, and Region 4 Director, Eugene Seah, are working on developing an ICEC Young Persons group and Mentoring Scheme. This is being done in collaboration with PAQS, IPMA and other kindred associations that have developed successful young person groups.

ICEC International Cost Management Journal (ICMJ)

The ICEC International Cost Management Journal (ICMJ) is a peer reviewed on-line journal that features a collection of the best papers and articles that have been previously published in conference proceedings and journals produced by ICEC and ICEC member associations. It is a perpetual journal which allows papers to be submitted and included at any time. The ICMJ provides a great opportunity for ICEC member associations to acknowledge high quality contributions to their publications and conference proceedings. The journal effectively contains the ‘best of the best’ papers published around the world by member associations. It provides a single-source means of publishing high quality papers produced worldwide in the fields of Cost Engineering, Quantity Surveying, Project Controls and Project Cost Management.

International Roundup Newsletter

The ICEC International Roundup Newsletter is published twice a year in March and October. ICEC would like to invite Region 2 members to contribute to the newsletter as it provides an excellent means of promoting your activities.

International Construction Measurement Standard (ICMS)

ICEC continues to support the development of the International Construction Measurement Standard (ICMS). ICEC would like to congratulate the ICMS Coalition for the remarkable development of the Standard and the launch of the standard at the Vancouver PAQS Board Meeting and Congress in July this year.

20.0 ICEC 2016-18 Financial Report

The ICEC Financial Report for the 2016-18 term is provided in a separate attachment to this report.

Peter Smith
ICEC Secretary General
ICEC Financial Report for 2014-16
to be distributed at the Council Meeting
ITEM 7

New ICEC Members

a. **Applications:**
   - Institution of Surveyors Uganda (ISU) - Application approved 27 May 2018
   - Pertubuhan Ukur Jurutera Dan Arkitek Puja (Brunei) Surveyor Division - Application received (for voting)
   - Indonesian Association of Quantity Surveyors (IQSI) - Application received (for voting)

b. Possible New ICEC Members & New Member Strategies – General Discussion

c. Associations that have left ICEC – Proposal to reinstate membership
Successful New ICEC Member Application

Institution of Surveyors Uganda (ISU)

Application Details
Dear Sir,

RE: REQUEST TO BE CONSIDERED FOR MEMBERSHIP TO THE INTERNATIONAL COST ENGINEERING COUNCIL

The Institution of Surveyors of Uganda (ISU) is an umbrella not-for-profit organisation that brings together all professionals in Uganda in the field of surveying, with three main categories, namely: Land Surveying, Quantity Surveying and Valuation Surveying. It has been in existence since 1968, but was revived and reconstituted on 10 August 2002 under the name “Institution of Surveyors of Uganda” with a total of 152 individual members, which membership has grown to 980 (as at 31 December 2017), comprising 478 Land Surveyors, 216 Quantity Surveyors and 286 Valuation Surveyors.

The objectives of ISU are summarised in section 2 of the organisation’s constitution, among which include the securing the advancement and facilitation of the acquisition of that knowledge which constitutes the profession of a surveyor; the promotion, maintenance and protection of standards of the surveying profession in Uganda; and others as outlined in various ISU documentation.

Members of ISU serve in different capacities in government agencies, institutions and public authorities; in academia; and in private organisations including consulting firms, contracting organisations, and financial institutions. In addition, some of our members are individuals who are self-employed practitioners in the various fields of surveying and project management.

The purpose of this communication is therefore to consider our organisation, the Institution of Surveyors of Uganda, for membership to the International Cost Engineering Council, where we anticipate that our members will be able to share knowledge and experiences, expand both their social and professional networks, and ultimately enhance the standards of the services they offer to their clients and the public at large.

Please therefore find attached the following copies of documents to substantiate our application:

1. Completed Application Form;
2. ISU Organisation Brochure;
3. ISU Constitution;
4. ISU Audited Financial Statements, for 2016;
5. ISU Surveyor Magazine, Issue 2; and
We look forward to being admitted to your organization.

Yours sincerely,

Tom Joseph Mukasa, MRICS, ICIOB, MISU
Chairman, Quantity Surveying Chapter, Institution of Surveyors of Uganda
Tel. +256 755 979936
### Application form and checklist

<table>
<thead>
<tr>
<th>Association name</th>
<th>INSTITUTION OF SURVEYORS OF UGANDA – QUANTITY SURVEYING CHAPTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td>Nkrumah Road; Karobwa Towers; P.O. Box 2122, Kampala (Uganda)</td>
</tr>
<tr>
<td>Suburb / City:</td>
<td>KAMPALA</td>
</tr>
<tr>
<td>State:</td>
<td>UGANDA</td>
</tr>
<tr>
<td>Post / zip code:</td>
<td>+256</td>
</tr>
<tr>
<td>Phone number:</td>
<td>0414 251258</td>
</tr>
<tr>
<td>Fax number:</td>
<td>N/A</td>
</tr>
<tr>
<td>Website:</td>
<td><a href="http://www.surveyorsofuganda.org">www.surveyorsofuganda.org</a></td>
</tr>
<tr>
<td>Contact officer:</td>
<td>Tom Joseph Mukasa</td>
</tr>
<tr>
<td>Contact officer position</td>
<td>Chair, Quantity Surveying Chapter</td>
</tr>
<tr>
<td>Contact officer phone number</td>
<td>+256 755 979936; +256 772 446724</td>
</tr>
<tr>
<td>Contact officer fax number</td>
<td>N/A</td>
</tr>
<tr>
<td>Contact officer email</td>
<td><a href="mailto:tmukasa@pearl-engineering.com">tmukasa@pearl-engineering.com</a> / <a href="mailto:josyx@yahoo.com">josyx@yahoo.com</a></td>
</tr>
<tr>
<td>President / chair name</td>
<td>Richard Masereje</td>
</tr>
<tr>
<td>President / chair phone</td>
<td>+256 704 282814</td>
</tr>
<tr>
<td>President / chair fax number</td>
<td>N/A</td>
</tr>
<tr>
<td>President / chair email</td>
<td><a href="mailto:masereje@gmail.com">masereje@gmail.com</a></td>
</tr>
</tbody>
</table>
### Executive Officers

Current term period:

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Richard Masereje</td>
<td>President</td>
<td><a href="mailto:masereje@gmail.com">masereje@gmail.com</a></td>
</tr>
<tr>
<td>Christopher Tembo Omoding</td>
<td>Vice president</td>
<td><a href="mailto:tembo_co@yahoo.co.uk">tembo_co@yahoo.co.uk</a></td>
</tr>
<tr>
<td>Allan Turyahikayo Mugisha</td>
<td>Honorary Secretary</td>
<td><a href="mailto:arugabo@gmail.com">arugabo@gmail.com</a></td>
</tr>
<tr>
<td>Samuel Eric Bayo</td>
<td>Honorary Treasurer</td>
<td><a href="mailto:samuel@sigma.ug">samuel@sigma.ug</a></td>
</tr>
<tr>
<td>Florence Nambooze Bbaale</td>
<td>Vice Honorary Secretary</td>
<td><a href="mailto:maleflowie@gamil.com">maleflowie@gamil.com</a></td>
</tr>
<tr>
<td>Diana Nanziri</td>
<td>Vice Honorary Treasurer</td>
<td><a href="mailto:nanziridianah@gmail.com">nanziridianah@gmail.com</a></td>
</tr>
<tr>
<td>Tom Joseph Mukasa</td>
<td>Quantity Surveying Chapter Chairman</td>
<td><a href="mailto:tmukasa@pearl-engineering.com">tmukasa@pearl-engineering.com</a> / <a href="mailto:josyx@yahoo.com">josyx@yahoo.com</a></td>
</tr>
<tr>
<td>Dr Ronald Ssengendo</td>
<td>Land Surveying Chapter Chairman</td>
<td><a href="mailto:r.ssengendo@yahoo.com">r.ssengendo@yahoo.com</a></td>
</tr>
<tr>
<td>Gonza Alozius</td>
<td>Valuation Surveying Chapter Chairman</td>
<td><a href="mailto:gonzaalozius@gmail.com">gonzaalozius@gmail.com</a></td>
</tr>
<tr>
<td>Emmanuel Male</td>
<td>Ex- official</td>
<td><a href="mailto:maleqss@yahoo.com">maleqss@yahoo.com</a></td>
</tr>
<tr>
<td>Mondo Davis</td>
<td>Technician Representative</td>
<td><a href="mailto:mondodavis@yahoo.co.uk">mondodavis@yahoo.co.uk</a></td>
</tr>
<tr>
<td>Bukomeko Stephen</td>
<td>Students’ Representative</td>
<td><a href="mailto:bukosengineeringservices2000@gmail.com">bukosengineeringservices2000@gmail.com</a></td>
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### Membership Profile

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<tr>
<th>Category</th>
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<td>Individual</td>
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<tr>
<td>Organisations</td>
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</tr>
</tbody>
</table>
# Application Checklist

National or multi-national associations or organizations may be admitted as members or associate members of the council upon affirmative vote of the ICEC members. Prior to admission to membership said organizations must submit the following:

<table>
<thead>
<tr>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signed request to be considered for ICEC membership on letterhead by the President / Chair or other authorized officer;</td>
</tr>
<tr>
<td><em>(Application Letter attached)</em></td>
</tr>
<tr>
<td>A description of their objectives;</td>
</tr>
<tr>
<td><em>(Included in Application Letter, and attached organization brochure)</em></td>
</tr>
<tr>
<td>A copy of their Constitution or other governing document (with an English language translation thereof if English is not the primary language of the original document);</td>
</tr>
<tr>
<td><em>(Pdf copy of ISU constitution attached)</em></td>
</tr>
<tr>
<td>A description of their requirements of individual or corporate membership in their association or organization, including a copy of their membership application form (with an English language translation thereof if English is not the primary language of the original application form);</td>
</tr>
<tr>
<td><em>(Copy of ISU membership application form attached)</em></td>
</tr>
<tr>
<td>A tabulation of the number of their individual and corporate members (see page 2);</td>
</tr>
<tr>
<td><em>(Tabulation of members done on page 2)</em></td>
</tr>
<tr>
<td>A description of the types of organizations for whom their individual members work;</td>
</tr>
<tr>
<td><em>(Included in Application Letter)</em></td>
</tr>
<tr>
<td>Payment of the ICEC annual subscription fee for the year in which membership application is made;</td>
</tr>
<tr>
<td><em>(To be done after approval of Application)</em></td>
</tr>
<tr>
<td>A copy of their most recent annual financial status report;</td>
</tr>
<tr>
<td><em>(Audited Financial Statements for 2016 attached)</em></td>
</tr>
<tr>
<td>A copy of any journal or other document published by them or in their name. <em>(The Surveyor Magazine and QS Chapter Newsletter)</em></td>
</tr>
</tbody>
</table>
New ICEC Member Application (1)

Pertubuhan Ukur Jurutera Dan Arkitek Puja (Brunei) Surveyor Division

Application Details
Ref.: PUJA/SD/ICEC

28 September 2018

Secretary - Treasurer
International Cost Engineering Council
P O Box 301
Deakin ACT 2600
Australia

Attn: Dr Peter Smith

Dear Sir,

RE : APPLICATION FOR ICEC MEMBERSHIP

We are pleased to submit herewith the application of membership for your attention and approval.

We enclose herewith the relevant documents as per checklist for your reference.

We look forward to the Council’s favourable reply.

Thank you.

Yours sincerely,

Nazhatulshima Hj Mohd Jamil
Vice President / Chairperson (2018-2019)
PUJA (Brunel) Surveyor Division
<table>
<thead>
<tr>
<th><strong>Application form and checklist</strong></th>
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<tbody>
<tr>
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</tr>
<tr>
<td><strong>Address:</strong> No.3, 2ND FLOOR, BLK 89, SPG 32-66, KEG. ANGGEREK DESA, BERAKAS</td>
</tr>
<tr>
<td><strong>Suburb / City:</strong> BANDAR SERI BEGAWAN</td>
</tr>
<tr>
<td><strong>State:</strong> NEGARA BRUNEI DARUSSALAM</td>
</tr>
<tr>
<td><strong>Post / Zip code:</strong> BB3713</td>
</tr>
<tr>
<td><strong>Phone number:</strong> 673-2384021</td>
</tr>
<tr>
<td><strong>Fax number:</strong> 673-2384021</td>
</tr>
<tr>
<td><strong>Website:</strong> <a href="http://www.puja-brunei.org">www.puja-brunei.org</a></td>
</tr>
<tr>
<td><strong>Contact officer:</strong> MUHAMMAD SYUKRI BIN HAJI ZULKIFLI</td>
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<td><strong>Contact officer fax number:</strong> 673-2384021</td>
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<td><strong>Contact officer email:</strong> <a href="mailto:syukri.hz@gmail.com">syukri.hz@gmail.com</a></td>
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<tr>
<td><strong>President / Chair name:</strong> NAZHATULSHIMA HJ MOHD JAMIL</td>
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<tr>
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<tr>
<td><strong>President / Chair email:</strong> <a href="mailto:shima.jamil@hotmail.com">shima.jamil@hotmail.com</a></td>
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</tbody>
</table>
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<table>
<thead>
<tr>
<th>Name</th>
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<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAZHATULSHIMA HJ MOHD JAMIL</td>
<td>CHAIRPERSON</td>
<td><a href="mailto:shima.jamil@hotmail.com">shima.jamil@hotmail.com</a></td>
</tr>
<tr>
<td>HJH MODHAYATI HJ MOHD YAARUB</td>
<td>VICE CHAIRPERSON</td>
<td><a href="mailto:hayati6569@hotmail.com">hayati6569@hotmail.com</a></td>
</tr>
<tr>
<td>MOHD SHAHIE HJ MOHD YUSOF</td>
<td>IMMEDIATE PAST CHAIRMAN</td>
<td><a href="mailto:shahie.yusof@ntaramcon.com.bn">shahie.yusof@ntaramcon.com.bn</a></td>
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<tr>
<td>MUHAMMAD SYUKRI BIN HAJI ZULKIFLI</td>
<td>SECRETARY</td>
<td><a href="mailto:syukri.hz@gmail.com">syukri.hz@gmail.com</a></td>
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<tr>
<td>LOW SOW FUN</td>
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<tr>
<td>AARON WONG CHEAN XING</td>
<td>GENERAL MEMBER 1 (EDUCATION)</td>
<td><a href="mailto:aijwcx@hotmail.com">aijwcx@hotmail.com</a></td>
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<tr>
<td>LYE KOK KUAN</td>
<td>GENERAL MEMBER 2 (MEMBERSHIP)</td>
<td><a href="mailto:lyekkuan@gmail.com">lyekkuan@gmail.com</a></td>
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<tr>
<td>DENIS YU ING HING</td>
<td>GENERAL MEMBER 3 (CPID)</td>
<td><a href="mailto:denisyu_jh@yahoo.com">denisyu_jh@yahoo.com</a></td>
</tr>
<tr>
<td>NURUL QAIYIMAH BINTI HJ MOHD HANAF</td>
<td>GENERAL MEMBER 4 (LISQ)</td>
<td><a href="mailto:qaim19@gmail.com">qaim19@gmail.com</a></td>
</tr>
<tr>
<td>SHAHRIL BIN OTHMAN</td>
<td>GENERAL MEMBER 5 (BELAIT CHAPTER)</td>
<td><a href="mailto:shahril.b.othman@gmail.com">shahril.b.othman@gmail.com</a></td>
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<tr>
<td>(SURVEYOR DIVISION)</td>
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</tbody>
</table>

Information about the International Cost Engineering Council, including the duties and benefits of membership is available at [http://www.icoste.org/whatis.htm](http://www.icoste.org/whatis.htm). If you have any other questions please do not hesitate to contact ICEC Secretary-Treasurer, Dr Peter Smith (peter.smith@icoste.org) or the ICEC Secretariat (icec@icoste.org).
**Application checklist**

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</tr>
<tr>
<td>A copy of their most recent annual financial status report; and</td>
</tr>
<tr>
<td>A copy of any journal or other document published by them or in their name.</td>
</tr>
</tbody>
</table>

Please send this application form and the attachments to:

Dr Peter Smith  
Secretary-Treasurer  
International Cost Engineering Council  
PO Box 301  
Deakin ACT 2600  
AUSTRALIA

The processing of applications will be expedited if an electronic copy (for example pdf) of this documentation is also submitted to the ICEC Secretariat (icec@coste.org).
New ICEC Member Application (2)

Indonesian Association of Quantity Surveyors (IQSI)

Application Details
Ref : 01/PR/XI.2018

Jakarta, 6 November 2018

International Cost Engineering Council
ICEC Secretariat
Level 3, 70 Pitt Street
Sydney, NSW 2007
Australia

Attn : Mr. TT Cheung
Dr. Peter Smith

Application for ICEC Membership

Dear Sirs,

Further to our communication with Mr. TT Cheung, herewith we would like to apply for ICEC Membership.

Please find our Membership Application Form as attached.

Thank you for your attention.

Regards,

Billy Lie
BBuild, AAIQS, FRICS
President
Application form and checklist

Association name: IKATAN QUANTITY SURVEYOR INDONESIA
Address: JL. CIMANDIRI 6 LT.2 No.E5 CIKINI
Suburb / City: JAKARTA PUSAT
State: DKI
Post / Zip code: 10330
Phone number: +62 21 3159457
Fax number: +62 21 3124934
Website: WWW.IQSI.ORG
Contact officer: BILLY LIE
Contact officer position: PRESIDENT
Contact officer phone number: +62 816848328
Contact officer fax number: +62 21 6316066
Contact officer email: BILLYLIE828@GMAIL.COM
President / Chair name: BILLY ANTHONY LIE
President / Chair phone number: +62 816848328
President / Chair fax number: +62 21 6316066
President / Chair email: BILLYLIE828@GMAIL.COM


**Executive Officers**

Current term period:

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>BILLY ANTHONY LIE</td>
<td>PRESIDENT</td>
<td><a href="mailto:BILLYLIE828@GMAIL.COM">BILLYLIE828@GMAIL.COM</a></td>
</tr>
<tr>
<td>RIZALDI</td>
<td>VICE PRESIDENT</td>
<td><a href="mailto:RIZALDICIOMAS@YAHOO.CO.ID">RIZALDICIOMAS@YAHOO.CO.ID</a></td>
</tr>
<tr>
<td>DHARMA ANGKASA</td>
<td>SECRETARY</td>
<td><a href="mailto:ANGKY2CV@YAHOO.CO.UK">ANGKY2CV@YAHOO.CO.UK</a></td>
</tr>
<tr>
<td>EVRIDA KUSUMAWATI</td>
<td>TREASURER</td>
<td><a href="mailto:EVRIDA.K@TEAMWORX.CO.ID">EVRIDA.K@TEAMWORX.CO.ID</a></td>
</tr>
<tr>
<td>RESTIYANTI</td>
<td>DEPUTY TREASURER</td>
<td><a href="mailto:YANTI_KASIR@YAHOO.COM">YANTI_KASIR@YAHOO.COM</a></td>
</tr>
<tr>
<td>CLARA ANDJARWATI</td>
<td>COMMITTEE MEMBER</td>
<td><a href="mailto:CLARA.ANDJARWATI@ID.RLB.COM">CLARA.ANDJARWATI@ID.RLB.COM</a></td>
</tr>
</tbody>
</table>


**Membership profile**

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual</td>
<td>500 paid and unpaid</td>
</tr>
<tr>
<td>Organisations</td>
<td>NIL</td>
</tr>
</tbody>
</table>

Information about the International Cost Engineering Council, including the duties and benefits of membership is available at http://www.icoste.org/whatis.htm. If you have any other questions please do not hesitate to contact ICEC Secretary-Treasurer, Dr Peter Smith (peter.smith@icoste.org) or the ICEC Secretariat (icec@icoste.org).
**Application checklist**

National or multi-national associations or organisations may be admitted as Members or Associate Members of the Council upon affirmative vote of the ICEC Members. Prior to admission to membership said organisations must submit the following:

<table>
<thead>
<tr>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signed request to be considered for ICEC membership on letterhead by the President / Chair or other authorized officer;</td>
</tr>
<tr>
<td>A description of their objectives;</td>
</tr>
<tr>
<td>A copy of their Constitution or other governing document (with an English language translation thereof if English is not the primary language of the original document);</td>
</tr>
<tr>
<td>A description of their requirements of individual or corporate membership in their association or organization, including a copy of their membership application form (with an English language translation thereof if English is not the primary language of the original application form);</td>
</tr>
<tr>
<td>A tabulation of the number of their individual and corporate members (see page 2);</td>
</tr>
<tr>
<td>A description of the types of organizations for whom their individual members work;</td>
</tr>
<tr>
<td>Payment of the ICEC annual subscription fee for the year in which membership application is made;</td>
</tr>
<tr>
<td>A copy of their most recent annual financial status report; and</td>
</tr>
<tr>
<td>A copy of any journal or other document published by them or in their name.</td>
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</tbody>
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Please send this application form and the attachments to:

Dr Peter Smith  
Secretary-Treasurer  
International Cost Engineering Council  
PO Box 301  
Deakin ACT 2600  
AUSTRALIA

The processing of applications will be expedited if an electronic copy (for example pdf) of this documentation is also submitted to the ICEC Secretariat (icec@icoste.org).
ITEM 8

Reports – ICEC Member Associations
8.1 REGION 1

a) AACE International – United States

b) CICH (Colegio de Ingenieros Civiles de Honduras / College of Civil Engineers Honduras)

c) CIQS (Canadian Institute of Quantity Surveyors)

d) GOGRC (Venezuela - Grupo OFC Guia de Costos)

e) IBEC (Instituto Brasileiro de Engenharia de Custos)

f) SMIEFC (Sociedad Mexicana de Ingeneira Economica, Financiaeray de Costos)
REPORT OF __AACE International_______________________
TO THE
INTERNATIONAL COST ENGINEERING COUNCIL REGIONAL MEETING

1. Date of Report __Friday, November 2, 2018____________

2. Country: ____USA Region 1 and also 100 other countries___________________

3. Organization's Name:
   a. Headquarters telephone No.: 1 304 296-8444 x1102
   b. Contact person: Charity Quick, Executive Director/Chief Executive Officer
   c. Headquarters e-mail address: cquick@aacei.org
   d. Headquarters website: https://web.aacei.org/

4. ICEC Representative/Delegate's Name: Julie Owen / Aldo Mattos
   a. Telephone No.: 1-213-922-7313 / 55 1196797 3058
   b. E-mail address: owenj@metro.net aldo@aldomattos.com

5. Organization's Chair / President's Name: -Alexia Nalewaik
   a. Telephone No.: 1 213 399 1373
   b. E-mail address: alexian@qsrequin.com

6. Upcoming Seminars/Conferences/Congresses:
   (Please list each event with dates, venue, theme, and contact information / website. ICEC will post these events on the website.)
   a. 2018 AACE Houston Gulf Coast Section Project Controls Symposium, November 2-3, University of Houston, Houston, TX USA
   b. 2018 Project Controls Expo, November 22, Melbourne Cricket Ground, Melbourne Australia
   c. 2018 AACE Brasil 5th Annual Cost Management Conference, November 30 – December 1, Rio De Janeiro, Brasil
   d. 2018 5th Annual AACE Norway Cost Management Conference, November 22, Aker Solutions, Fornebu, Oslo, Norway
   e. 2019 AACE Region 6 Western Winter Workshop, March 21-24, Harrahs South Lake Tahoe, Lake Tahoe, Nevada USA
   f. 2019 AACE Russia Total Cost Management Conference, May 2019, Azimut Olympic Hotel, Moscow, Russia
   g. 2019 AACE International Conference & Expo, June 16-19, Sheraton New Orleans, New Orleans, LA USA
   h. 2020 AACE International Conference & Expo, June 28-July 1, Hilton Chicago, Chicago, USA

7. Any New Initiatives. Training Courses, Published Technical Products?

1. **New Initiatives**
   a. **Membership and Marketing Boards:** new governance model and board restructuring to reduce board members
b. **Rising Professional Committee (RPC)** established to assist in next generation of cost engineer professional’s recruitment

c. **Mentoring Advisory Committee (MAC)** established to promote mentoring and knowledge transfer of cost engineering community

d. **E-Learning Modules** – Cost and Pricing Guide published in February 2017

e. **On-Line Continuing Education Modules** – Over 400 technical sessions available recorded from AACE International Conference and Expo. Whole conference or single sessions available.

2. **Training Courses**

   a. On-line courses for Cost Engineering Skills and Knowledge (10 sessions per semester) Refer to [https://www.pathlms.com/aace/courses/8955](https://www.pathlms.com/aace/courses/8955)

   b. Certification Seminars offered at AACE International Conference and Expo

   c. Continuing Education Seminars offered at AACE International Conference and Expo

3. **Published Technical Products**

   a. **Recommended Practices – Issued Since Last Meeting**

      - 2018/10/08 10S-90 Cost Engineering Terminology
      - 2017/05/04 82R-13 –Earned Valu-e Management Overview and Recommended Practices Consistent with EIA-748C
      - 2016/12/28 88R-15 - Tracking the Procurement Process Using a CPM Schedule in Construction
      - 2018/10/18 89R-16 – Management Summary Schedule
      - 2018/03/19 90R-17 – Statusing the CPM Schedule in Construction
      - 2018/03/20 91R-16 - Schedule Development
      - 2017/10/18 92R-17 – Analyzing Near Critical Paths
      - 2018/04/18 93R-17 – Schedule Logs
      - 2018/10/05 96R-18 – Cost Estimate Classification System for Power Transmission Infrastructure Projects
      - 2018/10/08 97R-18 – Cost Estimate Classification System in Pipeline Transportation Infrastructure Projects

   b. **Professional Practice Guides – Issued Since Last Meeting**

      - 2016 PPG#11 – Environmental Remediation and Decommissioning, 3rd Edition
      - 2016 PPG#04 – Planning and Scheduling, 4th Edition
      - 2017 PPG#05 – Earned Value, 3rd Edition

8. **Any opportunities for cooperation with other member organizations?**

   1. Current cooperation amongst the following:

      a. AACE Region 10 sections in Brasil and annual events inviting IBEC
      b. AACE Region 9 sections in United Kingdom and Project Controls Expo London and ACoste
      c. AACE Region 8 sections in Australia and Project Controls Expo Melbourne
REPORT OF ICEC REGION 1 (AMERICAS)
TO THE
INTERNATIONAL COST ENGINEERING COUNCIL REGIONAL MEETING

1. Date of Report ____________________________

2. Country: Brazil

3. Organization's Name:
   a. Headquarters telephone No.: Rua Sete de Setembro, 43, Cobertura, Centro, Rio de Janeiro/ RJ – CEP: 20050-03
   b. Contact person at Headquarters: Paulo Dias
   c. Headquarters e-mail address: comunicacao@ibec.org.br
   d. Headquarters website: www.ibec.org.br

4. ICEC Representative/Delegate's Name:
   a. Telephone No.: +55 21 99852 2920
   b. E-mail address: paulodias@ibec.org.br

5. Organization’s Chair / President’s Name:
   a. Telephone No.: +55 21 99852 2920
   b. E-mail address: paulodias@ibec.org.br

6. Upcoming Seminars/Conferences/Congresses:
   (Please list each event with dates, venue, theme, and contact information / website. ICEC will post these events on the website.)

   • National Cost Engineer’s Day and International Meeting – July 2019 – More information coming soon
   • Innovation, Costs and Projects Seminars – during the year 2019 - More information coming soon
   • Latin American Engineering Meeting 2019 - More information coming soon

7. Any New Initiatives. Training Courses, Published Technical Products?
   • In pursuit of the degree course in Cost Engineering, the first in Brazil – through FAATESP, IBEC has conquered the right to request it's undergraduate course in Cost Engineering next year, which be the first in Brazil and represents a major advance for the profession in our country;
   • ICEC Certificador – IBEC’s professional licensing program is accredited by ICEC since 2015 and is in the process of receiving accreditation form a Brazilian governmental organism for the certification of people;
   • The technical biannual magazine of FAATESP, the College of IBEC, estimates to be released in 2019;
• IBEC Jovem “IBEC Young” – Idealized by ICEC Chair TT Cheung (China), IBEC Jovem helps new graduates move forward with their careers with a 50% discount for engineers with up to three years since graduating. Coordinated by Rafael Pontes Vargas, MA from Newcastle University, it helps new graduates enter IBEC MBA and postgraduate courses all over the country.

8. Any opportunities for cooperation with other member organizations?

Existing International Partnerships:

Argentina – Consejo Profesional de Ingeniería Química (CPIQ)
Bolivia – Sociedad de Ingenieros de Bolivia (SIB)
Cape Verde – Ordem dos Engenheiros de Cabo Verde (OECV)
Chile – Departamento de Ingeniería y Gestión de la Construcción
Chile – Escuela de Ingeniería - Pontificia Universidad Católica de Chile
Colombia – Sociedad Colombiana de Ingenieros (SCI)
Costa Rica – Asociación Costarricense de Ingeniería en Mantenimiento (ACIMA)
Cuba – Unión Nacional de Arquitectos e Ingenieros de la Construcción de Cuba (UNAICC)
Honduras – Colegio de Ingenieros Civiles de Honduras (CICH)
Portugal – Faculdade de Engenharia da Universidade do Porto (FEUP)
Italy – Societá Dante Alighieri
Germany – Global Partners Bayern e.V.

UPADI – Unión Panamericana de Asociaciones de Ingenieros
IPMA Global (International Project Management Association)
Accreditation REP IPMA Global (International Project Management Association)

New opportunities: Panama, Paraguay and Uruguay with the local engineering/engineers associations.

9. Please list any issues (Regional or International) which you wish to have considered by the ICEC Council.

• A minute of honor for José Chacon de Assis, in memory him.
  Engineer José Chacon de Assis, IBEC Vice President and ICEC Region 1 Deputy Director - External Relations, played a crucial role in favor of the Brazilian Engineering;

• Suggestion of creation of a new Region for Central and South America (justification in the annex).

10. Any other items of interest which you wish to report:
IBEC: 40 YEARS COMBINING TRADITION INNOVATION

IBEC – Brazilian Institute for Cost Engineering – marks its 40th anniversary, and the Cost Engineer’s Day, on the night of August 7. The Cost Engineer’s Day is celebrated locally since 2007, by Act 4.905/2006. As of last year, the date grew in notoriety and range, through Act 13.453/2017 signed by former congressman Edinho Bez (PMDB-SC), which gave it national renown.

At the solemnity in Instituto de Engenharia main auditorium in São Paulo, themed The Cost Engineer of the Future, IBEC grants engineer Pedro Antônio Lousan Badra the Cost Engineer of the Year award; engineer Eid Camil is being named Personality of the Year; engineer Joel Krüger, Chair of CONFEA and the presidents of CREAs are receiving the Certificate ‘Amigo do IBEC’; Professors Álvaro Caldeira, José Rosa and Inaiara Marini are being awarded Teacher of the Year; and the Student of the Year is being awarded to student Reinaldo Rebernisek Mariano and alumnus Marco Aurélio Vituzzo; and other professionals with important contributions to the development of Cost Science and national Engineering will be awarded “Destaques do Ano”. The João de Barro trophy is awarded to authors with books about Cost Engineering.

IBEC is also paying tribute to electrical engineer José Chacon de Assis, Vice Presidente of IBEC, deceased last July 3rd, victim of a car accident in Brasilia, where he acted as Federal Counselor at CONFEA. He who so passionately contributed to national Engineering, promoting sustainability and environment preservation, and fought for various social causes, and for our institute as well, deserves our immense respect, admiration and appreciation, expressed through a special homage.

V INTERNATIONAL MEETING

The 5th edition of the International Meeting is part of IBEC’s special 40-year anniversary program.

The event gathers professionals from all over the country and around the world to discuss the Cost engineering and Project Management global scene.
On August 06, from 9h to 16h, under engineer Paulo Dias’ coordination, and following the theme “Ethics, Governance and Compliance in Engineering”, various professionals did giving lectures and partaking in debates surrounding the “Profit Variable in BDI”, providing an enlightening interchange of knowledge and ideas at a global scale.

For the first time the International Meeting happened along with ICEC Region 1 Meeting, which is the assembly of ICEC Region 1 board, responsible for the American continent. ICEC members representing this area are Brazilians Paulo Dias (Region 1 Director), José Chacon de Assis (External Relations), Aldo Mattos (Marketing) and Heitor Luz (Secretary)/ from Honduras, José Cálix (Standards/Professional Development) and from Colombia, Diana Bula (Academic Forums/Research).

This year the event received engineers Carmen Lastenia Flores y José Ramon Calix; Australian engineer Dr Peter Smith, secretary-general at ICEC (International Cost Engineering Council), American engineer Dr Alexia Nalewaik, Chair at AACE International (Association for the Advancement of Cost Engineering); Bolivian engineer Maria Teresa Dalenz, Chair at UPADI (Pan American Union of Engineering Associations); the Paraguayan engineer Maria Teresa Pino, member of Universidad de Ingenieros del Paraguay. From Brazil, Mario Cesar Lopes Jr, expert at the Federal Police; Jose Angelo Santos do Valle, Technical Vice President at ICEC; Fernando Jose da Rocha Camargo, Vice President at IBEC; Rafael Pontes, columnist at Instituto Liberal Minas Gerais (ILMG) and representative of IBEC Jovem; Reynaldo Goto, Compliance director at Siemens; Sérgio Rodovalho, Danilo Talanskas; Roberta Codignoto; Cmial Eid; Silverio das Neves; and engineer Paulo Dias, Chair at IBEC and Director of ICEC Region 1 (Americas).

The International Meeting happened at Instituto de Engenharia, São Paulo.

INNOVATION, GOVERNANCE, ETHICS AND COMPLIANCE

On September 13-14, 2017, IBEC and UERJ’s department of innovation (InovUERJ) produced the II Tertulia for Awareness and Technology, at the auditorium of the university’s rectory in Campus Maracanã.

The event launched the book ‘Technological Innovations and consciousness expansion’ [free translation] with compilation by Professors Antonio Carlos de Azevedo Ritto anda Marinilza
Bruno de Carvalho (InovUERJ), contribution from various authors and foreword by Paulo Roberto Vilela Dias (IBEC).

The following result from this partnership, under the title ‘Governance: Innovation Strategies in Management’ [free translation], is scheduled for launch on august 7th, during IBEC’s 40 years anniversary.

After that, yet another academic work shall be launched on October, by the title ‘Compliance and Ethics - a new Consciousness in times of network’ during the 3rd edition of the Tertulia.

This research and content production, along with all the dedication set to it, reveals the joined commitment from both institutions towards a strong, promising collaboration.

IBEC is partners with UERJ through InovUERJ and, together, they offer the ‘Post Graduation on Innovation Management’ course, with a main goal of qualifying the student for the elaboration of innovative projects, stimulating the entrepreneurial spirit - and other short courses.

GOVERNANCE: INNOVATION STRATEGIES IN MANAGEMENT

This year’s edition of the Cost Engineer Day launches the book ‘Governança: Estratégias de Inovação na Gestão’. This work collects points of view from several experts on different aspects of Governance and the influence of innovation in corporate administration.

The study argues that Governance is a noble responsibility that involves sharing proposals and decisions, besides being essential to considering the relevance of the various agents, influenced - directly or indirectly - by the consequences of innovation, especially in a social context.

Professor Dr Marinilza Bruno de Carvalho, director at UERJ’s Department of Innovation, and Professor Post-Doc Antonio Carlos de Azevedo Ritto, coordinator at the Project Management office at InovUERJ, organized the collection, to which also contributed authors like Claudio Quartaroli, Iliany Maria Salgado, Lorena Albuquerque Santos, Luciano Bispo Santos, Marcelo Fornazin, Wladmir Henrique Motta and Paulo Roberto Vilela Dias.
IBEC COLLEGE

IBEC’s new venture aimed at graduation, launched officially during the ceremony of the Cost Engineer Day 2017.

Named FAATESP - Faculdade Álvares de Azevedo, the college offers higher education courses as associate degree (Bachelor). All courses are licensed by MEC (Ministry of Education), besides being part of MEC’s National Catalogue of Qualifications. They all grant higher education diplomas, allowing continuing education through post graduation (Lato sensu and Stricto sensu).

The IBEC through FAATESP has already filed a request with the Ministry of the Education (MEC) for the creation of a graduation in Cost Engineering, with a claim to be released in 2019, which will mean the pioneering and advancement for this professional area in Brazil.

SMART AND HUMANE CITIES

IBEC Projetos e Pesquisas (IBEC Projects and Research), IBEC’s technical services core, has a team of renowned and highly qualified professionals; and now it presents a new expertise: Intelligent and Humane Cities (Smart Cities), an innovative subject that finds smart, technological and sustainable solutions for resources like geolocation and traffic information, safety management, street lighting and access to health and education services.

IBEC CERTIFICADOR

IBEC CERTIFICADOR (IBEC ‘Certification Body’) is a program of professional certification accredited by ICEC, which certifies, in an international level, Cost Engineering professionals.

IBEC performs the Programs of Certification for Senior and Junior Cost Engineer, and Budget and Cost Control Technician Specialist, providing improved quality and recognition to the professionals’ experience. For more information: ibeccertificador.org.br.

INNOVATION, COSTS AND PROJECTS SEMINARS

Committed with the dissemination, widespread and interchange of knowledge, related to innovation and the science of costs, IBEC has promoted the ‘I Seminário Carioca de Inovação, Custos e Projetos’ (1st Carioca Seminar on Innovation, Costs and Projects). The event happened on March 28 and had the presence of 350 enthusiasts, interested in the lectures,
given by great names of Engineering and Project Management.

The 1st Carioca Seminar on Innovation, Costs and Projects was organized by IBEC in a partnership with ICEC - International Cost Engineering Council, the IPMA Brasil - International Project Management Association, the Club of Engineering, CREA-RJ - Rio de Janeiro’s Regional Council of Engineering and Agronomy, and UERJ - the University of the State of Rio de Janeiro.

The panelists of the Seminar were Prof. Dr. Marinilza Bruno de Carvalho, Director of InovUERJ - UERJ’s postgraduate and research Pro-rectory’s Innovation Department, (“Entrepreneurship and Information Management”); M.Sc. Raphael Albergarias, President of IPMA Brasil, (“The Cycle of Success: Learn how to Identify each Stage”); M.Sc. Fernando José da Rocha Camargo, CEO of IBEC, (“The importance of Continuing Education in Times of Crisis”); and André Gomyde, Director of Federal District Development Agency - Terracap, (“Smart, Humane Cities”).

Other speakers at the Seminar included Natale Papa Jr., University of Bordeaux’ International Professional Masters Program Executive Coordinator on Business Management, (“A Leap in your Career”); Luiz Antônio Cosenza, (Winners and Errors of the Building Self-inspection Law”); Vinicius Mattos Von Doellinger, CEFET-RJ Administrator, (“The Importance of Knowledge and Technology Exchange between Universities and the Production Sector”); and, finally, Professor Paulo Roberto Vilela Dias, IBEC President and ICEC American Regional Director, pointing current aspects of Cost Engineering - Exoneration, BDI and the new SINAPI.

The Seminar had also the presence of other celebrated professionals, such as Maria Georgina Muniz Washington, UERJ Deputy Vice Chancellor; Pedro Celestino, Club of Engineering President; Antônio Cezar Carvalho Benoliel, President of ALAEST - Latin-american Association of Occupational Safety Engineering; José Chacon de Assis President of the Rio de Janeiro Association of Engineers and Architects; Ivan Ribeiro da Conceição, President of the Brazilian Association of Civil Engineers in Rio de Janeiro (ABENC) and José Tadeu da Silva, President of CONFEA and FEBRAE.

During the event, IBEC signed a partnership agreement with UERJ, which originated the Post graduation course on Innovation Management, performed by IBEC and certified by UERJ. The
agreement represented a major milestone for the Science of Costs.

The I Sao Paulo Seminar on Innovation, Costs and Projects happened on November 21 at the IBEC headquarters in São José dos Campos and had the presence of 80 enthusiasts, interested in the lectures, given by great names of Engineering and Project Management.

Already the II Carioca Seminar of Innovation, Costs and Projects – The Future of Engineering happened on November 30, 2017, at Clube de Engenharia (Rio de Janeiro), and received more than 300 people to discuss the future of engineering.

The goal is to, following the steps of other events held by IBEC, take the Seminar to other cities.

5th Annual Meeting

The 5th Cost Engineering Annual Meeting (AACE Brazil) happened on December 2017 in Rio de Janeiro and the engineer Paulo Roberto Vilela Dias (IBEC Region 1 Director) has been honored and acknowledged at the event.

IBEC around the World / ICEC REGION 1

IBEC has been a member of ICEC since 1981. In recent years, the IBEC has been working intensively in Latin America, disseminating the Science of costs in the continent and expanding its borders. Since 2013, the president of IBEC and ICEC Americas Director, Paulo Dias, held seminars and been present at international conferences and fairs in the Region. Its main objectives are the strengthening of Cost Engineering and an professional appreciation of engineers. As a result, the IBEC signed agreements with entities from Cape Verde (Africa) and five Latin American countries: Argentina, Bolivia, Colombia, Cuba and Honduras. Since then, the ICEC Region 1 has often performed congresses, ceremonies and seminars.

Partnership / Agreements:

Argentina - Consejo Profesional de Ingeniería Química (CPIQ)
Bolivia - Sociedad de Ingenieros de Bolivia (SIB)
Cape Verde – Ordem dos Engenheiros de Cabo Verde (OECV)
Chile - Departamento de Ingeniería y Gestión de la Construcción
Escuela de Ingeniería - Pontificia Universidad Católica de Chile (PUC Chile)
Colombia – Sociedad Colombiana de Ingenieros (SCI)
Costa Rica - Asociación Costarricense de Ingeniería en Mantenimiento (ACIMA)
Cuba - Unión Nacional de Arquitectos e Ingenieros de la Construcción de Cuba (UNAICC)
Honduras – Colegio de Ingenieros Civiles de Honduras (CICH)
Portugal - Faculdade de Engenharia da Universidade do Porto (FEUP)
Italy - Societá Dante Alighieri
Germany - Global Partners Bayern e.V.
UPADI - Unión Panamericana de Asociaciones de Ingenieros

Accreditation REP IPMA Global (International Project Management Association)

Costa Rica

IBEC, invited by ACIMA – Asociación Costarricense de Ingeniería en Mantenimiento, in English, Costa Rican Association of Maintenance Engineering –, was part of UPADI Annual Congress – Asamblea Intermedia UPADI 2017 – in Costa Rica, conducted between June 25th and June 28th. International associations like COPIMAN – Comité Panamericano de Ingeniería de Mantenimiento, in English, Pan-American Maintenance Engineering Committee –, FOICAP – Federación de Organizaciones de Ingenieros de Centroamérica y Panamá, in English, Federation of Engineering Organizations of Central America and Panama –, SPIA – Sociedad Panameña de Ingenieros y Arquitectos, in English, Panamanian Company of Engineers and Architects –, CFIA – Colegio Federado de Ingenieros y Arquitectos de Costa Rica, in English, Federated College of Engineers and Architects of Costa Rica – and other associations were part in the event.

The president of IBEC, Paulo Dias, was invited by the UNAICC – Unión Nacional de Arquitectos e Ingenieros de la Construcción de Cuba, in English, National Union of Architects and Engineers of the Construction of Cuba –, to lecture at the XI Technical-Scientific Construction Conference, held between April 4th and April 7th, 2016. The lecture was about the overview of Cost Engineering in Latin America for more than 300 professionals, including Cubans, Argentinians, Bolivians, Colombians and Hondurans. Since then, the relationships between these institutions are getting closer.

Argentina

IBEC attended the Congress “Engineering 2014 – Latin America and Caribbean”, hosted in Buenos Aires, Argentina, in November 2014. Some of the objectives of the Congress were: identify the location of the greatest regional potential to sustaining long-term growth within an uncertain global context; detect the main efficiency constraints; discuss actions that assure the access of small and medium-sized companies to innovative methodologies and technologies.
The main construction engineering companies, such as IBEC, presented innovative and profitable projects for Latin America. During the event, IBEC signed contract with the Argentinian CPIQ – *Consejo Profesional de Ingeniería Química*, in English, Professional Chemical Engineering Council –, for academic cooperation and reciprocal assistance. A year later, IBEC returned to Buenos Aires to lecture for CPIQ professionals.

**Honduras**

After the president of IBEC, Paulo Dias, signed a technical-scientific cooperation agreement with the CICH – *Colegio de Ingenieros Civiles de Honduras*, in English, College of Civil Engineers of Honduras –, he was invited to talk about construction costs and a fairer distribution for all, held between July 30th and August 2th, 2013. Over 400 professionals from the Tegucigalpa and San Pedro Sula attended the lecture.

Two years later, Paulo Dias returned to Honduras for the Annual UPADI Assembly, hosted in Roatan, between July 1th and July 3th, 2015.

**Panamá**

IBEC was part of the 29th IPMA – International Project Management Association – Congress, hosted in Panama, in September 2015. The event brought together more than 400 project managers from all over the world. IBEC and ICEC were exhibitors on the display area.

**Cuba**

Invited by the UNAICC – *Unión Nacional de Arquitectos e Ingenieros de la Construcción de Cuba*, in English, National Union of Architects and Engineers of the Construction of Cuba –, Paulo Dias, president of IBEC, lectured at the XI *Conferencia Científico-Técnica de la Construcción* (in English, 11th Technical Scientific Construction Conference), held between the 4th and 7th of April 2016. Paulo Dias talked about the overview of Cost Engineering in Latin America for more than 300 Cuban professionals, hosted at the Havana International Conference Center. As a result of this conference, IBEC signed a technical-scientific cooperation agreement with UNAICC, represented by its president, Mercedes Elesther Savigne.

**Bolívia**

As a result of the Strong performance in America and an active participation on UPADI, IBEC
was present at the Congreso Técnico Internacional de Ingeniería (in English, International Technical Engineering Congress), organized by SIB – Sociedad de Ingenieros de Bolivia, in English, Bolivian Society of Engineers –, held on January 26 and 27, 2017, in Sucre, Bolivia. On its last day, the inauguration ceremony of the organization’s new president took place and the engineer Maria Tereza Dalenz was sworn in. She is responsible for IBEC’s partnership with Bolivia. Paulo Dias and José Chacon de Assis, the vice president of IBEC and Deputy Director of External Relations of the Region 1 of ICEC, held acclaimed lectures about the importance of Cost Engineering nowadays and sustainability. Both acted as representatives of ICEC on this event. IBEC was also in Bolivia for the UPADI annual meeting, in 2015, and for a seminar realized by SIB, in April 2016, hosted in the city of Santa Cruz de la Sierra.

**Colômbia**

On April 1, 2016, IBEC held the Seminar on Cost Engineering, Sustainability and Project Management. The Seminar was held in Bogota, capital of Colombia, in the SCI – Sociedad Colombiana de Ingenieros, in English, Colombian Society of Engineers. Paulo Dias lectured about Cost Engineers on the Latin American context for more than 200 professionals coming from all over Colombia. IBEC was also in Medellin, during the UPADI Annual Assembly, in 2013.

**Portugal**

In 2015 IBEC signed a MOU with the Engineering School of Universidade do Porto (FEUP) for mutual, technical and scientific cooperation.

For FEUP, approaching the Brazilian market is a good strategy since both nations can benefit from interchanging technical content as a way of contributing to Engineering, and to the society as a whole.

Fruits of that collaboration include the International Core of the Management in Construction course, launched on July 21 this year, which is an exclusive course that offers IBEC students access to one of the most renowned universities in the world, specially in the area of Construction Management, providing quality graduation and high-level networking to new professionals.
NEWS

IBEC Jovem “IBEC Young”

This year IBEC introduced the project IBEC Jovem, owning its commitment to contribute with disseminating knowledge and promote Cost Engineering across the country.

The project was idealized by ICEC Chairman TT Cheung (Hong Kong) and is being carried out in Brazil with the main purpose of helping new engineers take their careers forward and build a better world.

IBEC Jovem offers a 50% discount to engineers from different areas of engineering, with up to three years since graduating, easing their admission into IBEC MBA programs and postgraduate courses all over the country.

As a result, over 100 new enrollments were registered in specialization courses since the beginning of the program last April.

Administrator Rafael Vargas Pontes is the coordinator and international representative of IBEC Jovem. Rafael got his MA in International Politics from Newcastle University and is currently attending the MBA in Finance, to deepen his research on the financial impacts of state intervention in the companies. He is the author articles, published in international congresses, such as editions of International Cost Engineering Council World Congress, and finalist of the article contest at V Conferência de Escola Austriaca do Instituto Mises Brasil.

Cost Engineer Glossary

IBEC has been actively working on the elaboration of the Glossary in Cost Engineering in order to contribute to ICEC in this project, which will allow a standardization of terms used in this area around the world. This project is already in an advanced step.

COST ENGINEER NATIONAL DAY 2017

IBEC celebrates its 39th anniversary and the Cost Engineer’s Day

Last year the Cost Engineer’s Day and the 39-year festivity of IBEC - the Brazilian Institute of Cost Engineering - had special meaning. Celebrated since 2007, in accordance with the State Law nº 4.905/2006, the Cost Engineer Day was, this time, celebrated at national level. Sanctioned on June 22 and written by former federal congressman Edinho Bez (from the
PMDB-SC party), the Federal Law nº 13.453/2007 has the major objective of acknowledging the value of this field of Engineering that explores the cost of construction works and services.

The Law pays a tribute to a profession focused on the elaboration and validation of budgets and cost planning of the project through all phases of the construction work or service, as well as the cost management and the cash flow. According to 2013 data from the Consumer’s National Public Department, 22% of the complaints in the area of civil construction and housing correlate to contract breach by Construction Companies. In this scenario, the activity of the cost engineer becomes vital to ensure the work’s operational and economic viability.

During the 2017 Cost Engineer National Day solemnity, former federal congressman Edinho Bez, alongside the authors of the Rio de Janeiro state law, deputies Paulo Ramos and Luiz Paulo Corrêa da Rocha, were the top honored personalities on the night of 4th of July at Clube de Engenharia de Brasília-CEnB (Engineering Club of Brasilia). They were bestowed the ‘Brazilianity’ Award, granted to those who have excelled through actions for the development of our nation.

“We are very happy about the sanctioning of the Cost Engineer National Day, and also very grateful to our honoree congressmen. They have played a role, crucial to the creation of this Law, which valorizes not only the professionals in this specific area, but in the field of Engineering as a whole. The tribute is certainly well deserved”, stated IBEC President and America’s Regional ICEC Director Paulo Roberto Vilela Dias, M.Sc (UFF) and CRK (IBEC/ICEC).

More professionals, companies, educational institutes, cost engineering book authors and personalities, who have stood out by contributing to the development of cost engineering and project management, and through their efforts to foster high-quality education were honored at the event. This year’s ‘Cost Engineer of the Year’ was Mr. Flávio Correa de Sousa.

Throughout the evening, in the country capital, IBEC introduced its modernized logotype - reaffirming the Institute’s sound, consistent image, and also its mascots - João-de-Barro and Joana-de-barro (a couple of rufous horneros). After the solemnity the guests were gifted the pluses of the mascots and enjoyed the specially prepared dinner and IBEC’s 39th birthday cake.

During the ceremony, the American Regional ICEC Board of Directors granted the office
charge certificates to its present Board members. In America, ICEC Regional Board is represented by Brazilians Paulo Roberto Vilela Dias, Regional Director in America; José Chacon de Assis, Deputy Director for External Affairs; Aldo Dórea, Deputy Director for Marketing; and Heitor Luz, Regional Secretary. Also composing the board are Colombian Diana Bula, Deputy Director for Academic Research and Honduran José Calix, Deputy Director for Professional Development.

**INTERNATIONAL MEETING 2017**

**IV Edition**

On the morning of the 3rd of July, IBEC - the Brazilian Institute of Cost Engineering, hosted the International Meeting - an official rendez-vous for professionals from all over the country and from many parts of the world to discuss global scenario of Cost Engineering and Project Management. On its 4th edition, the International Meeting was held at the auditorium of CREA-DF and coordinated by the City Court of Auditors’ External Control technician of the State of Ceará and IBECs Regional Director in Ceará, eng. Márcio Soares da Rocha.

The ceremonial opening board had the presence of eng. Márcio, IBEC President and ICEC Regional Director in America - Paulo Roberto Vilela Dias (M.Sc-UFF and CRK-IBEC/ICEC), IBEC International Vice president - José Chacon de Assis, and CREA-DF President - Flávio Correa de Sousa. Afterwards, the series of debates started with Márcio da Rocha, presenting his lecture entitled “Engineering Audit: Concepts and Current Outlook”.

The engineer conducted his presentation expatiating on the definition of Engineering Audit, its application fields and main purposes, besides pointing out the irregularities, most frequent to construction works in Brazil and the perspectives for this activity in the years to come, based on current tendencies.

The event had also lectures from engineer André Mendes, from the Federal Court of Auditors (TCU), Sérgio Rodovalho, from the federal financial institution Caixa Econômica Federal, André Kuhn, from the Federal Public Prosecutors bureau (MPF) and Mário César Lopes Júnior, Federal Police expert. Mr. Mário César presented a study on public construction work cost analysis, while Mr. André Mendes talked about budget of works public licitations. Mr. Sérgio Rodovalho discoursed on innovations in the referential system of construction costs - SINAPI, and André Kuhn spoke of measurements and public work installments payment.
Each presentation brought up information and relevant reflections about the analysis of the expenditure with public constructions in Brazil.

Following the lectures, the audience were invited to comment and pose questions and contributions to the themes, addressed during the happening.

**Board of Directors of the IBEC**

**Paulo Roberto Vilela Dias**
IBEC President / ICEC Region 1 Director (Americas)

**José Chacon de Assis – IN MEMORIAN**
IBEC International Vice President / ICEC Region 1 Deputy Director - External Relations

**Fernando José da Rocha Camargo**
IBEC Executive Vice President

---

[IBEC Logo]

National Headquarters: Rua Sete de Setembro, 43 - Cobertura, Centro - Rio de Janeiro/RJ – CEP: 20050-003

Phone number: +55 21 2508-7919

e-mail: ibec@ibec.org.br

8.2 REGION 2

a) ACostE (Association of Cost Engineers - United Kingdom)
b) AICE (Associazione Italiana d'Ingegneria Economica)
c) CAPQS (Cyprus Association of Professional Quantity Surveyors)
d) DACE (Nederlandse Stichting Voor Kostentechniek)
e) DVP (German Association of Project Managers in the Construction Industry & Real Estate Economy)
f) GTE / MKK (GTE Cost Engineering Club)
g) CICES (Chartered Institution of Civil Engineering Surveyors) – United Kingdom
h) PMA (Projekt Management Austria)
i) PMG (Project Management Greece)
j) RACE (Romanian Association of Cost Engineering)
k) SPPR (Spolocnost pre projektove riadenie / Project Management Association of Slovakia)
l) SMaP (Association Francaise pour l'avancement du Management de Projet / Project Management Association of France)
m) SPR (Spolocnost pro projektové rízení / Czech Association of Project Management)
n) VSF (Verkefnastjornunarfelag Islands / Project Management Association of Iceland)
o) ZPM (Slovenian Project Management Association)
ACostE

REPORT OF THE ASSOCIATION OF COST ENGINEERS
TO THE
INTERNATIONAL COST ENGINEERING COUNCIL REGIONAL MEETING

11. Date of Report 22nd October 2018

12. Country: United Kingdom

13. Organization’s Name: ACostE (Association of Cost Engineers)
   a. Headquarters telephone No.: +44 1270 764798
   b. Contact person at Headquarters: Angela Pammenter
   c. Headquarters e-mail address: enquiries@acoste.org.uk
   d. Headquarters website: www.acoste.org.uk

14. ICEC Representative Name: Alec Ray
   a. Telephone No.: +44 1923 778796
   b. E-mail address: ray.alec@gmail.com

15. Organization’s Chair / President’s Name: Angela Pammenter
   a. Telephone No.: 
   b. E-mail address: president@acoste.org.uk

16. Upcoming Seminars/Conferences/Congresses:
   (Please list each event with dates, venue, theme, and contact information / website. ICEC will post these events on the website.)

ICEC will be advised when events are organised

17. Any New Initiatives. Training Courses, Published Technical Products?
   Developing Accreditation for members

18. Any opportunities for cooperation with other member organizations?
   Will advise when any opportunities arise

19. Please list any issues (Regional or International) which you wish to have considered by the ICEC Council.
   None at present

20. Any other items of interest which you wish to report:
   None
ASSOCIATION OF COST ENGINEERS
Limited

Annual Report
2017-2018

President: A Pammenter
Honorary President        Angela Pammenter

The past year has seen significant challenges for the Association. We have faced a decline in income, with the Government’s changes in vocational qualifications impacting TASC, and the ongoing downturn in the oil and chemical industries affecting our membership. We continue to see a reduction in the number of people employed in our industry, with experienced professionals moving into other spheres. Against this downturn in income, we have had to invest in our computer systems and website, the results of which have now gone live. I encourage everyone to take a look at the new website (remembering that some areas are still a work in progress).

In the light of our reduced income, we have made the decision to move to an electronic version of our journal, Project Control Professional, through the year with one printed issue distributed annually to coincide with our annual report and AGM. We will review this decision after a year. The cost of production and postage was our biggest cost item outside of staffing and office rental, so this decision will significantly improve our financial situation.

One of the key benefits of membership of the ACostE is the access to our regional meetings. The regions continue to expand, offering varied programmes comprising technical presentations that offer CPD points as well as social events, and plenty of opportunity for networking with other like-minded individuals. The detailed regional reports show the many and varied activities on offer.

We continue to offer the mycareerpath system for tracking CPD to all members. The system provides an independent, personal and portable record of CPD that can accompany you throughout your career. It is intuitive and easy to use and can hold an ongoing record to all your training and personal development, wherever your employment may take you. The link to mycareerpath is on the new website.

We are preparing to hold our own conference next year, as well as supporting the Project Controls Expo. The event will take place next June in London. This is the first event that we have held for some years now, and we need your support to ensure that it is a success – please keep an eye on your e-mail for information.

We exist to further the Cost Engineering profession, to maintain our reputation as the Learned Society representing Cost Engineers, schedulers, Estimators and Project Controls professionals, and to enhance the professional standing of our members. To do this we need volunteers who are willing to take part, and we need to understand where to focus our attention as we move forwards.
Milan, 13th November 2018
Our Ref.: A0161/2018

Subject: AICE 40th ANNIVERSARY

The next year shall be the fortieth anniversary of our Association (1979-2019). In order to celebrate it in a proper way, the Board of the Association has decided that, instead of the usual yearly meeting, the Association shall organize a major event, whose name shall be "AICE FORUM - 40 YEARS OF TOTAL COST MANAGEMENT" and shall be open to contributions for other ICEC associations or members. This forum shall be a two days event, whose dates shall be 21st and 22nd of November, 2019. During the next months, the Board will work on the organization and shall define the title, the topics and the content.

Please publish this announcement in the proper section of ICEC website and calendar.

Thanks and best regards.

Dott. Emanuele Banchi, ICEC DIF, EIE / ICEC A
posta elettronica: emanuele.banchi@aice-it.org
REPORT ON THE ACTIVITIES OF THE AICE IN 2017-2018

Our Ref. A0159/2018

General

The AICE has been founded in 1978 and has been active from then to now. AICE is a member of the ICEC since 1979.

The Expert level certification program has been accredited since 1992 and it has been kept effective since. The Practitioner level has been accredited in 2000.

Besides being member of the ICEC, the AICE is also member of the FAST (Italian Federation of Scientific and Technical Associations).

The full course in Total Cost Management has been held for the first time in 1991 at the Bocconi University in Milan and then, with the accreditation of the ICEC, at the Order of Engineers in Milano (2001) and Bologna (2001), then at the Bocconi University (2003-07) and continues almost every year with the cooperation of the FAST and of the Order of Engineers of Milan.

The board, whose term is due to expire in December 2020, is composed by:

- Emanuele Banchi (President)
- Mario Fiorelli (Vice-President)
- Alfredo Biffi (Secretary - Treasurer)
- Andrea Del Grosso (council member)
- Roberto Livio (council member)

Project AICE 2.0

The project started in 2016 with a poll among the members. The scope was to map the activities, professional and cultural interests, professional objectives of the membership. The project to improve the definitions of «Ingegneria Economica» and «Total Cost Management» as well as to extend the range of activities of the association from engineering & construction to other sectors and update, improve and extend the certification programs.

The AICE 2.0 (which is considered a “continuous improvement” process) resulted in a better knowledge of the membership, enhanced the body of knowledge and competence and, as a consequence, the certification programs.
The key enhancement of the Body of Knowledge is a partial reorganization of the groups and the inclusion of methods and practices related to Competences. The renewal of the BoC (as abbreviated now to put focus the Competences) has been carried out adopting the following process:

- Analysis of concerned data from the preliminary poll among the membership
- First draft in 2017
- Final draft in 2018 subject to the comments and approval from the membership
- Approval in October 2018

One of the main characteristics of the BoC is its applicability not only to Engineering & Construction but also to other sectors such as Manufacturing, Services, Public Administration etc.

The new BoC is due to become effective by beginning of 2019.

According to the above, the renewal of the accreditation is in progress and the relevant documentation shall be submitted to the ICEC within the end of November or beginning of December 2018. The levels of the certifications shall be increased from 2 to 3, namely:

- Level A (formerly “Expert”)
- Level B (formerly “Practitioner”)
- Level C (a new entry level)

Certification shall be based on the updated Body of Knowledge (for A, B, C) and Competences (for A, B).

Other activities

- Maintenance and improvement of the website
- Yearly meeting in Milan (papers, discussion, networking)
- Membership of the ICMS (International Construction Measurement Standards)
- Total Cost Management courses and seminars (in cooperation with the Order of Engineers)
- Other planned activities:
  - Formative and promotional events in Rome (2019)
  - Promotional event in Naples (2020)

Best regards.

Dott. Emanuele Banchi, ICEC DIF, EIE / ICEC A
posta elettronica: emanuele.banchi@aice-it.org
8.3 REGION 3

a) ASAQS (Association of South African Quantity Surveyors)

b) GhIS (Ghana Institution of Surveyors Quantity Surveying Division)

c) INQS (Institute of Namibian Quantity Surveyors) (Associate Member)

d) IQSK (Institute of Quantity Surveyors of Kenya)

e) MAQS (The Mauritius Association of Quantity Surveyors) (ICEC Associate Member)

f) NIACE (The Nigerian Institute of Appraisers and Cost Engineers)

g) NIQS (Nigerian Institute of Quantity Surveyors)

h) SAPCI (Southern African Project Controls Institute)

i) ISU (Institution of Surveyors Uganda)
1. Date of Report: 09th November 2018

2. Country: South Africa

3. Organization’s Name: The Association of South African Quantity Surveyors
   a. Headquarters telephone No.: +27 (0)11 315 4140
   b. Contact person at Headquarters: Mr. Larry Feinberg
   c. Headquarters e-mail address: director@asaqs.co.za
   d. Headquarters website: www.asaqs.co.za

4. ICEC Representative/Delegate's Name:
   a. Telephone No.: 
   b. E-mail address:

5. Organization’s Chair / President’s Name: Mr. Yunus Bayat
   a. Telephone No.: +27 (0)33 397 0786
   b. E-mail address: bayprop@telkomsa.net

6. Upcoming Seminars/Conferences/Congresses:
   (Please list each event with dates, venue, theme, and contact information / website. ICEC will post these events on the website.)

   Event Planner 2019 to follow as it has not been finalized as yet

7. Any New Initiatives. Training Courses, Published Technical Products?

ASAQS TECHNICAL DOCUMENTS PUBLISHED

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ASAQS ACTIVITIES:

ASAQS CPD EVENTS - NOVEMBER 2017 - NOVEMBER 2018
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**ASAQS CPD EVENTS**

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**ASAQS ANNUAL CONFERENCE - 02nd AUGUST 2018**

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</table>
8. **Any opportunities for cooperation with other member organizations?**
   N/A

9. **Please list any issues (Regional or International) which you wish to have considered by the ICEC Council.**
   N/A

10. **Any other items of interest which you wish to report:**

    **THE STATE OF THE CONSTRUCTION INDUSTRY IN SOUTH AFRICA**
    25 October 2018

    The South African domestic economy moved into a technical recession in the first half of 2018. South Africa’s growth forecast has recently been revised down from 1.5 per cent to 0.7 per cent. The Business Confidence Index across all sectors remains low indicating a general dissatisfaction with the prevailing business conditions.

    Likewise, confidence in South Africa’s construction industry has also plummeted. Policy uncertainty, slow economic growth and an underperforming rand are all red flags resulting in low investor confidence. Building demand has remained weak, resulting in lower growth in tendering prices relative to input costs. Built environment professionals are facing challenging times, looking for new work.

    On the positive side, growth is expected to recover gradually to over 2 per cent in 2021 as confidence returns and investment gathers pace. Contributing factors include Governments plans to spend an estimated R 855 billion over the next three years on public infrastructure development.

    While anticipating the return of local and international investor confidence, other potential areas of growth include social and affordable housing, and renewable energy projects. Urbanisation and semi-migration are also viewed as drivers of growth. The demand for middle and high-income housing continues unabated, while densification policies in our cities will create opportunities.

    **Kind regards,**

    [Signature]

    Larry Feinberg
    Executive Director - ASAQS
    Association of South African Quantity Surveyors
REPORT OF IQSK
TO THE
INTERNATIONAL COST ENGINEERING COUNCIL REGIONAL MEETING

1. Date of Report 29th October 2018

2. Country: KENYA

3. Organization's Name: INSTITUTE OF QUANTITY SURVEYORS OF KENYA
   a. Headquarters telephone No.: +254 721676823
   b. Contact person at Headquarters: LYDIAH CHEGE
   c. Headquarters e-mail address: info@iqskenya.org
   d. Headquarters website: www.iqskenya.org

4. ICEC Representative/Delegate's Name: Qs. Jennifer Musyimi
   a. Telephone No.: +254 722 651 440
   b. E-mail address: jen@anka.co.ke

5. Organization’s Chair / President’s Name: Qs. PETER KARIUKI
   a. Telephone No.: 254 722 521 659
   b. E-mail address: psk@archbillconsultants.com

6. Upcoming Seminars/Conferences/Congresses:
   (Please list each event with dates, venue, theme, and contact information / website. ICEC will post these events on the website.)

   NONE

7. Any New Initiatives. Training Courses, Published Technical Products?

   IQSK has developed a curriculum for and facilitate short courses. The purpose of the courses are set in areas that are key to the practice and management of the professions and will delivered either as seminars or workplace training programs customized to meet participants’ organization’s needs.

8. Any opportunities for cooperation with other member organizations?

   Collaboration between RICS and IQSK on recognition of members joining both organizations.

9. Please list any issues (Regional or International) which you wish to have considered by the ICEC Council.

   None

10. Any other items of interest which you wish to report: None
8.4 REGION 4

a) AIQS (Australian Institute of Quantity Surveyors)

b) ACES (Australian Cost Engineering Society)

c) BSIJ (Building Surveyor’s Institute of Japan)

d) CECA (China Engineering Cost Association)

e) FIQS (Fiji Institute of Quantity Surveyors) (ICEC Associate Member);

f) HKIS (Hong Kong Institute of Quantity Surveyors)

g) IPMSL (Institute of Project Managers of Sri Lanka)

h) IQSSL (Institute of Quantity Surveyors of Sri Lanka)

i) PICQS (Philippines Institute of Certified Quantity Surveyors)

j) RISM (Royal Institution of Surveyors, Malaysia)

k) NZIQS (New Zealand Institute of Quantity Surveyors)

l) PMAI (Project Management Associates – India)

m) SISV (Singapore Institute of Surveyors and Valuers, QS Division)
21. Date of Report: 26 October 2018

22. Country: AUSTRALIA

23. Organization's Name: Australian Institute of Quantity Surveyors
   a. Headquarters telephone No.: +61 2 8234 4000
   b. Contact person at Headquarters: CEO – Grant Warner
   c. Headquarters e-mail address: info@aiqs.com.au

24. ICEC Representative/Delegate's Name: Anthony Mills
   a. Telephone No.:
   b. E-mail address: anthony.mills@deakin.edu.au

25. Organization's Chair / President's Name:
   a. Telephone No.:
   b. E-mail address: anthony.mills@deakin.edu.au

26. Upcoming Seminars/Conferences/Congresses: N.A.

27. Any New Initiatives. Training Courses, Published Technical Products?
   • AIQS Academy – 101 quantity surveying and related business topics (Available on-line)
   • Australia and New Zealand Standard Method of Measurement
   • AIQS and NZIQS BIM Best Practice Guide
   • Guidance Note: - Construction Finance Reporting

28. Any opportunities for cooperation with other member organizations? N.A.

29. Please list any issues (Regional or International) which you wish to have considered by the ICEC Council. N.A.

30. Any other items of interest which you wish to report: N.A.
REPORT OF The Australian Cost Engineering Society (ACES)
TO THE
INTERNATIONAL COST ENGINEERING COUNCIL REGIONAL MEETING

1. Date of Report 19-October 2018

2. Country: AUSTRALIA

3. Organization’s Name: Australian Cost Engineering Society
   a. Headquarters telephone No.: 0425801813
   b. Contact person at Headquarters: Nolan Bear
   c. Headquarters e-mail address: nolanbear@gmail.com

4. ICEC Representative/Delegate’s Name: Steven Bird
   a. Telephone No.: 0417495361
   b. E-mail address: steven.bird@tbh.com.au

5. Organization’s Chair / President’s Name: Nolan Bear
   a. Telephone No.: 0425801813
   b. E-mail address: nolanbear@gmail.com

6. Upcoming Seminars/Conferences/Congresses:
   (Please list each event with dates, venue, theme, and contact information / website. ICEC will post these events on the website.)

7. Any New Initiatives. Training Courses, Published Technical Products?
   Chartership program for Cost Engineers via Engineers Australia

   Mentoring program for ACES members for learning and professional development

8. Any opportunities for cooperation with other member organizations?
   We align well with the Risk Engineering Society and have collaborated on a number of Technical events as well as the Project Controls conference 2017 and future 2019.

   We have supported the ICEC/AIQS conference with abstract reviews and sponsorship

9. Please list any issues (Regional or International) which you wish to have considered by the ICEC Council.
   None

10. Any other items of interest which you wish to report: ??
    None
1. Name of Member organization: China Engineering Cost Association (CECA)

2. Number of members:

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Quantity Surveyors</td>
<td>6010</td>
</tr>
<tr>
<td>Construction Estimator Certified</td>
<td></td>
</tr>
<tr>
<td>Associate</td>
<td></td>
</tr>
<tr>
<td>Retired</td>
<td></td>
</tr>
<tr>
<td>Honorary Life</td>
<td>213</td>
</tr>
<tr>
<td>Full time Students</td>
<td>0</td>
</tr>
<tr>
<td>Total of members</td>
<td>6223</td>
</tr>
</tbody>
</table>

Affiliated Associations:

1.  
2.  
3.  
4.  
5.  

3. Current address/contact details of your member organisation’s head office/secretariat:

   Street & mailing address:
   
   No. 9, Sanlihe Road, Building of Ministry of Construction, P.R.China
   
   Email: James@ceca.org.cn; xueshu@ceca.org.cn
   
   Website: www.ceca.org.cn
   
   Phone: 8610-68331195  Fax: 8610-68331264

4. Current office holders:

   President: Ms. Yang Likun
   Hon. Secretary General:

5. Names of your official delegates to the PAQS Board
6. Others of your organisation on PAQS Committees or attending the Board meeting:

- **Board Officers**: Sr. James Y. Sue
- **Research Committee**: None
- **Education Committee**: Prof. Liu Yisheng, Sr. James Y. Sue, Mr. Zhao Xin
- **Sustainability Committee**: None
- **BIM Committee**: None
- **Young QS Group**: Mr. Liu Qian

7. Report on your organisation’s activities since previous PAQS Board meeting, including a brief comment on the state of the construction industry in your country:

- In March 2018, the CECA Board Meeting was held. About 360 CECA members attended the meeting. The new board was elected during the meeting, and Ms. Yang Likun was elected the president of CECA. The key tasks and mission of the board was also clarified. CECA will closely unite and rely on its members to actively fulfill the duties of “Providing services for members, the government, the industry, and the society” and carry out various works in an orderly manner.

- The new expert committee of CECA was elected in 2018, which is formed by more than 200 experts, including professionals from governments, local associations, enterprises, colleges, universities, and research institutions. The aim of the committee is to deal with the opportunities and challenges of cost engineering industry, make full use of the experts’ professional skills and assist CECA in making decisions.

- CECA has organized and completed a national standard, named “Regulation for Construction Cost Appraisal” and a CECA standard, named “Code for Whole Process Cost Consultation”. Meanwhile, CECA is currently organizing two other national standards “Standard Method of Measurement for Mining Works” and “Standard Method of Measurement for Affiliated Structure Works”. These standards will enhance the sustainable development of the industry.

- In order to promote the cooperation between domestic and foreign enterprises in the field of cost engineering and consulting, CECA organized a series of research projects and investigations, including “Research on International Construction Project Management Model”, “Research on the Going-out Strategies for Chinese Cost Engineering and Consulting Industry” and numerous industrial investigations. These researches and investigations will provide valuable references for local professional enterprises’ overseas business.

- CECA has always been committed to providing members with comprehensive and high-quality services through different kinds of activities. In September 2018, CECA
held its “Sixth Entrepreneur Forum”, which received great social attention. CECA also holds “Enterprise Open Day” events every year, organizing members to visit excellent local enterprises and share experiences and ideas, so as to promote the cooperation between companies and the development of the industry. Meanwhile, CECA has organized numerous conferences on the explanation of national standards. By far, more than 3000 professionals nationwide have attended, thus providing a firm basis for the implementation of national standards. Moreover, CECA has also organized training sessions for high-level professionals, leading up to the improvement of professional skills.

CECA placed great emphasis towards international cooperation and communication of cost engineering industry. Now, a division of CECA, named The Division of Research and Development (R&D), is responsible for foreign affairs of CECA. The current chief of the division is Mr. James Y. Sue.
1. Date of Report: 2 November 2018

2. Country: Hong Kong SAR

3. Organization's Name: The Hong Kong Institute of Surveyors ('HKIS')
   a. Telephone No.: (852) 2526 3679  b. Contact person: Ms Margaret Yung  c. E-mail address info@hkis.org.hk  d. Website www.hkis.org.hk

4. ICEC Representative/Delegate's Name: Sr T T Cheung
   a. Telephone No.: (852) 2526 3679
   b. E-mail address: info@hkis.org.hk
   Alternate Representative/Delegate's Name: Sr Raymond Kam
   a. Telephone No.: (852) 2526 3679
   b. E-mail address: info@hkis.org.hk

5. Organization's Chair / President's Name: Sr Dick Kwok
   a. Telephone No.: (852) 2526 3679  b. E-mail address: info@hkis.org.hk

6. Upcoming Seminars/Conferences/Congresses: (Please list each event with dates, venue, theme, and contact information / website. ICEC will post these events on the website.)
   
   Event Theme Date & Time Venue Contact
   HKIS Project Management Committee Half-day Seminar Professional Surveyors as Project Managers
   17 November 2018, 9.30 am to 12.30 pm HKIS Surveyors Learning Centre, Room 1207, 12/F, Wing On Centre, 111 Connaught Road Central, Sheung Wan, Hong Kong
   The Hong Kong Institute of Surveyors Tel: (852) 2526 3679, Fax: (852) 2868 4612 Email: cpdreg@hkis.org.hk Website: http://www.hkis.org.hk

   HKIS BIM Conference 2018
   The Dream Role of Surveyors in BIM for Land Development, Construction and Property Life Cycle
   30 November 2018, 2.30 pm to 5.30 pm
   Multi-purpose Hall, Zero Carbon Building, 8 Sheung Yuet Road, Kowloon Bay, Kowloon, Hong Kong
   Conference Secretariat – Creative Consulting Group Inc Tel: (852) 3159 2927, Fax: (852) 2372 0490 Email: hksibim@creativegp.com Website: http://www.hkis.org.hk

7. Any New Initiatives, Training Courses, Published Technical Products?
   (a) The HKIS QSD has prepared a draft of the BIM Contract Conditions. The draft is now in the process of review and comment by the BIM Contract Alliance. The BIM Contract Alliance is a body with the participation of the various construction stake holders with particular a focus in the BIM development in Hong Kong. It is hoped that with the contribution from the various participants, a duly recognized BIM Contract Conditions could be produced in the coming near future.
(b) The HKIS has launched the revision of the Hong Kong Standard Method of Measurement Fourth Edition (HKSMNM4). This revision has incorporated the previous amendments stated in the corrigendum and a few added sections on some new trades. HKIS (QSD) is also stepping up to explore the way forward for the drafting of HKSMNM5 as a new and revised version for quantum takingoff using BIM. Some factors that might be worth considering include (a) new format for computerization; (b) standard phraseology; (c) consistency in terminology; and (d) simplified method of measurement for application of computerized measurement.

8. Any opportunities for cooperation with other member organizations?
Nil.

9. Please list any issues (Regional or International) which you wish to have considered by the ICEC Council.
Nil.

10. Any other items of interest which you wish to report:

(a) New Legislation
   The HKIS (QSD) is actively participating in the government consultation and liaison group on the proposed Security of Payment legislation. The consultation process is ongoing and the bill is being drafted by the HKSAR Government and is anticipated to be legislated in 2019.

(b) Pre-qualification Structured Learning (PQSL) and Continuing Professional Development (CPD)
   This year, 25 PQSL events and 51 CPD events (including talks in Hong Kong and Macau, BIM courses and site visits) have been organized by the HKIS (QSD) to members.

(c) Third Batch of Applications to Qualify as PRC Registered Cost Engineers
   The third batch of assessment of qualification for members of HKIS (QSD) under the reciprocity agreement (RA) between the CECA and the HKIS was successfully concluded in May 2018. 60 HKIS QSD members and 128 CECA members have obtained the CECA and HKIS memberships respectively under the RA.
REPORT OF NEW ZEALAND INSTITUTE OF QUANTITY SURVEYORS (NZIQS) TO THE INTERNATIONAL COST ENGINEERING COUNCIL REGIONAL MEETING

1. Date of Report: 24/10/2018

2. Country: New Zealand

3. Organization's Name: NZIQS
   a. Headquarters telephone No.: +64 (0)4 4735521
   b. Contact person at Headquarters: Marilyn Moffatt
   c. Headquarters e-mail address: marilyn.moffatt@nziqs.co.nz
   d. Headquarters website: www.nziqs.co.nz

4. ICEC Representative/Delegate's Name: Marilyn Moffatt
   a. Telephone No.: +64 (0) 272333373
   b. E-mail address: marilyn.moffatt@nziqs.co.nz

5. Organization’s Chair / President’s Name: Barry Calvert, MNZIQS, Reg QS
   a. Telephone No.: +64 (0) 277068648
   b. E-mail address: barry.calvert@beca.com

6. Upcoming Seminars/Conferences/Congresses:
   (Please list each event with dates, venue, theme, and contact information / website. ICEC will post these events on the website.)

   NZIQS Conference – 19-21 June 2019, Nelson
   https://www.nziqs.co.nz/Learning-Events/Event-Calendar/modId/2166/key/EventDetail/start/636965604000000000/eventid/182

7. Any New Initiatives. Training Courses, Published Technical Products?
   (1) Launched joint Australia and NZ Standard Method of Measurement- February 2018
   (2) Australia and NZ BIM Best Pratice Guidliens- developed with AIQS, to be launched November 2018

8. Any opportunities for cooperation with other member organizations?
   Cooperating on best practice guidelines with AIQS
   Cooperating with PICQS on mutual recognition membership pathways for members

9. Please list any issues (Regional or International) which you wish to have considered by the ICEC Council.
   Nil

10. Any other items of interest which you wish to report:
    Celebrated 40 year anniversary of NZIQS in September 2018 (merging of BSI and QSI institutes)
REPORT OF MEMBER ORGANIZATION-MALAYSIA
TO THE
INTERNATIONAL COST ENGINEERING COUNCIL REGIONAL MEETING

1. Date of Report: 31st October 2018

2. Country: Malaysia

3. Organization's Name: Royal Institution of Surveyors Malaysia (RISM)
   a. Postal Address : 3rd Floor, Bangunan Juruukur, 64-66, Jalan 52/4, 46200 Petaling Jaya, Selangor, Malaysia
   b. Headquarters telephone No. : +603 7955 1773, 79569728
   c. Fax No. : +603-79550253
   d. Headquarters e-mail address : secretariat@rism.org.my
   e. Headquarters website : www.rism.org.my

4. ICEC Representative/Delegate:
   a. Name : Prof Sr Dr. Abdul Ghani Khalid
   b. Telephone No.: +6012-7030115
   c. E-mail address: drdrghani@yahoo.com

   a. Name : Sr Richard Ooi Hoo Ong
   b. Telephone No.: 03-78048136
   c. E-mail address: richooik@yahoo.com

5. Current Office Holder
   5.1 President’s Name: Sr Hj. Mohammad Azmi Bin Mohd Zin
      a. Telephone No.: 03-41431333
      b. E-mail address: azmi@juruesa.com

   5.2 Deputy President Name: Sr Kwan Hock Hai
      a. Telephone No.: 03-21635848
      b. E-mail address: perundingpct@gmail.com

   5.3 Hon. Secretary General Name: Sr Dr. Teng Chee Hua
      a. Telephone No.: 03-26170615
      b. E-mail address: tengcheehua@gmail.com

   5.4 Hon. Treasurer. Gen. Name: Sr Logisvarran Muniandy
      a. Telephone No.: 03-22745108
      b. E-mail address: rggeomatics@yahoo.com

   5.5 QS Division Chairman Name: Prof Sr Dr. Abdul Ghani Khalid
      a. Telephone No.: +6012-7030115
      b. E-mail address: drdrghani@yahoo.com
6. Number of RISM QS Members:

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Quantity Surveyors</td>
<td>199 (Fellow), 1348 (Member)</td>
</tr>
<tr>
<td>Construction Estimator Certified</td>
<td>Nil</td>
</tr>
<tr>
<td>Associate</td>
<td>1489 (Graduate), 7 (Associate)</td>
</tr>
<tr>
<td>Retired</td>
<td>Nil</td>
</tr>
<tr>
<td>Honorary Life</td>
<td>Nil</td>
</tr>
<tr>
<td>Full time Students</td>
<td>1 (Technician), 172 (Probationer), 1419 (Student)</td>
</tr>
<tr>
<td>Total of members</td>
<td>4635</td>
</tr>
</tbody>
</table>

Affiliated Associations:

1. Royal Institution of Chartered Surveyors (RICS)
2. Pertubuhan Ukur Jurutera & Arkitek (PUJA)
3. Australian Institution of Quantity Surveyors (AIQS)
4. International Cost Engineering Council (ICEC)
5. International Civil Engineering Surveyors (ICES)
6. Canadian Institute of Quantity Surveyors (CICQS)
7. Singapore Institute of Surveyors and Valuers (SISV)
8. Ikatan Quantity Surveyors Indonesia (IQSI)

7. Report on Organization’s Activities since Previous Session

7.1 Alternative & Dispute Resolutions (Adr) Panel in RISM

7.1.1 Setting-up of ADR (Alternative Dispute Resolution) Panel at RISM

QS Division has proposed to RISM’s General Council to form up the ADR Panel for Members under the four divisions who need assistance in disputes involving their field/profession. As such, the ADR Sub-Committee of QS Division has set the registration form with the requirements for RISM Members to apply to become Panel.

ADR Panel consists of the following:-

i. Arbitrator
ii. Mediator
iii. Adjudicator
iv. Expert Witness
7.2 Continuing Professional Development

7.2.1 CPD Talks/Seminars, Training/Workshop and Technical Visits

The Continuing Professional Development (CPD) events successfully organized by the RISM QS Division during the session are as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Date</th>
<th>Topic</th>
<th>Attendance (pax)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5/9/2017</td>
<td>Monetary Claims and Evaluation for QS at Armada Hotel, Petaling Jaya</td>
<td>134</td>
</tr>
<tr>
<td>2</td>
<td>28/10/2017</td>
<td>Seminar on Value Management : A Reality Check at RISM Resource Centre, Lower Ground Floor, Bangunan Jurukur</td>
<td>66</td>
</tr>
<tr>
<td>3</td>
<td>4/11/2017</td>
<td>Technical Visit to Equatorial Plaza Kuala Lumpur</td>
<td>38</td>
</tr>
<tr>
<td>4</td>
<td>25/11/2017</td>
<td>RISM QS Division Surveyor Social Event 2017 Healthy Lifestyle Awareness Workshop Citta Mall, Subang, Selangor</td>
<td>18</td>
</tr>
<tr>
<td>5</td>
<td>29/11/2017</td>
<td>Technical Visit to Smart Control Centre, Department of Irrigation &amp; Drainage, Ampang, Selangor</td>
<td>25</td>
</tr>
<tr>
<td>7</td>
<td>5/4/2018</td>
<td>Seminar on Construction Law Reports with Construction Industry Development Board Malaysia (CIDB) - Royal Institution of Surveyors Malaysia (RISM) - Master Builders Association Malaysia (MBAM) - Malaysian Institute of Arbitrators (MIArb) at Vistana Hotel, Bukit Jambul, Penang</td>
<td>80</td>
</tr>
<tr>
<td>2</td>
<td>1/8/2018</td>
<td>Technical visit to Nippon Paint Forward Coating Expo</td>
<td>32</td>
</tr>
<tr>
<td>3</td>
<td>6-10/8/2018</td>
<td>Seminar On Avoiding Disputes</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Johor (University of Reading Malaysia)</td>
<td>68</td>
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<td></td>
<td></td>
<td>- Sarawak (University Malaysia Sarawak)</td>
<td>77</td>
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<tr>
<td></td>
<td></td>
<td>- Sabah (University Technology MARA)</td>
<td>46</td>
</tr>
<tr>
<td>4</td>
<td>28/9/2018</td>
<td>Talk on introduction to sustainability in Green Building at Innovation Lab, IJM Head Office</td>
<td>34</td>
</tr>
</tbody>
</table>
7.2.2 1. Upcoming Seminars/Conferences/Congresses/Event:
(Please list each event with dates, venue, theme, and contact information / website. ICEC will post these events on the website.)

CPD Event
Half-Day Seminar on PAM Contract 2018
Date: 8th November 2018
Time: 8.30am till 2.00pm
Contact person: Ms. Sharon (qsdiv@rism.org.my)

Sports & Social
Jom! Zumba For Charity!
Date: 4th November 2018
Time: 8.30am till 11.00am
Venue: SEGI University Kota Damansara
Contact person: Ms. Sharon (qsdiv@rism.org.my)

7.3 Green and Sustainability
7.3.1 Event
i. Site Visit to Equatorial Plaza, Kuala Lumpur on promoting Green Building for Northern, Johor and East Malaysia Branches held on 4th November 2017.

ii. Represented RISM at CIDB workshop on Infrastructure Sustainable Rating Tool on 21st November 2017 at Pullman Hotel, Putrajaya.

iii. Road show on Green Building Talk in University of Malaya was held on the 24th April 2018 as an introduction of Green Building in Construction to the Fakulti Alam Bina students.

7.4 Junior Organization
7.4.1 Quantity Surveying Undergraduate Symposium 2017

The RISM Quantity Surveying Junior Organization Undergraduate Symposium 2017 was held on 18th November 2017 hosted by Taylors’ University, Lakeside Campus organized by Royal Institution of Surveyors Malaysia. This Symposium opened to all level of undergraduate students from a recognized Quantity Surveying degree of the local universities.

The Symposium was a day of intellectual inquiry and exchange which aims to provide undergraduates with the unique opportunity to exhibit their knowledge on Professional Practice through poster displays as well as oral and multimedia presentations sessions to a larger audience.

It was an academically enriching experience for students as they were directly involved in the process of receiving feedback from academicians and practitioners on real situations.
The objectives of the Symposium were to:-

a. Provide a holistic understanding of the service provided by Quantity Surveying Consultancy;
b. Apply classroom knowledge on Professional Practice from inception to completion in a 'Live Project Scenario';
c. Develop and improve skills in communication, technology, quantitative reasoning, critical thinking and teamwork;
d. Communicate their knowledge to an audience from a broad range of backgrounds ie quantity surveyors who are academicians, consultants, contractors and developers;
e. Gain understanding of the skills and knowledge required for success in the workplace;

The Symposium is open to all levels of undergraduate students from a recognized Quantity Surveying Degree.

Amongst Universities participated in the Symposium were:-

- University of Malaya
- Universiti Sains Malaysia
- Universiti Teknologi MARA, Shah Alam
- Universiti Teknologi MARA, Perak
- International Islamic University of Malaysia
- Taylors University
- Heriot-Watt University Malaysia
- Infrastructure University Kuala Lumpur

Tasks given to the Universities were:-

- Pre Symposium Submission
- Abstract
- Project paper
- Oral Presentation
- Poster Viewing

Vetting Panel and Panel of Industry Experts were invited to review and listen to the presentations by the representatives of the universities which accompanied by the lecturers. This symposium was a successful event overall and beneficial for the students out of the classroom activities.

7.4.2 Academic Visits

7.4.2.1 Study Visit by students from SEGi University to the Royal Institution of Surveyors Malaysia

25 student of degree programme in Quantity Surveying from SEGi University visited RISM on 20th November 2017. The objectives of the visit was to initiate and foster networking relationship between potential QS graduates with the RISM, to expose first-hand information and knowledge of RISM Roles and to encourage early students participations between RISM activities with the Universities co-curriculum.
7.4.2.2 Academic Visit to Tunku Abdul Rahman University College (TARUC) and Career Talk by Royal Institution of Surveyors Malaysia

TARUC invited RISM QS Division for an academic visit on 28\textsuperscript{th} November 2017 and to deliver a talk to 160 students studying for Diploma in Technology (QS) and Bachelor (Hons) in Quantity Surveying at their main campus in Gentaing Kelang, Setapak, Kuala Lumpur.

The purpose of the academic visit was to expose the students on the quantity surveying profession in the construction industry and to deliver a talk related. Also, it was an opportunity for QS Division to promote RISM on the membership.

7.5 Publication Of Berita Qs

7.5.1 Issue No. 1, Session 2017/2018 (July 2017) and Issue No. 2, Session 2017/2018 (January 2018)

In the Session 2017/2018, the QS Division has set up an Editorial Committee under the leadership of Datin Sr Dr. Norsiah Mohamad (Chair) to bring news to QS professionals. Hence, since the last Berita QS issued about 8 years ago, there was a breakthrough in the publication of BERITA QS where for the Session 2017/2018; two issues of the BERITA QS have been successfully published. They are Issue No. 1 (July 2017) which was launched on the 17th July 2017 in conjunction with RISM Hari Raya Celebrations and Issue No. 2 (January 2018).

The Berita QS is a source of news on latest appointments in the QS fraternity, news, updates and upcoming events on developments and review of construction law cases in the construction industry. In addition sharing of knowledge and visions for the QS is highlighted in the feature interviews with prominent Quantity Surveyors. Furthermore, in both the July 2017 and January 2018 issues, current issues on BIM and Ethics and Integrity were included respectively to gain insight on these two pertinent matters.

7.6 Building Information Modelling (BIM)

The BIM Sub-Committee (BIM SC) successfully carried out the following activities as follow:-

7.6.1 The Roll Out of BIM SMM

SMM3 Task Force has been set-up and running on its own.

7.6.2 The International QS BIM Conference Hong Kong 2017 18\textsuperscript{th} November 2017

The International QS BIM Conference 2017 was successfully held at the Regal Ballroom, Regal Hong Kong Hotel, 88 Yee Wo Street, Cause way Bay, Hong Kong on 18\textsuperscript{th} November 2017.
The objective of the conference is to discuss on the BIM development, the challenges and opportunities ahead for the quantity surveyors from the whole Pacific Region. The renowned speakers came from Australia, Singapore, Malaysia and Hong Kong.

It is an honour that the Royal Institution of Surveyors Malaysia (RISM) is one of the co-organisers in this auspicious event besides other honourable organisers i.e. Hong Kong Institute of Surveyors (HKIS), Construction Industry Council (CIC), Australian Institute of Quantity Surveyors (AIQS) and Singapore Institute of Surveyors and Valuers (SISV).

Royal Institution of Surveyors Malaysia (RISM) was officially represented by:-

- Sr Quek Jin Keat (Chair, RISM BIM Technical Committee)
- Sr Sharifah Noraini Noreen Syed Ibrahim Al-Jamalullail (Co-Chair, RISM BIM Technical Committee).

Other representatives from Malaysia were:-

(i) Assoc. Prof. Sr Dr. Kherun Nita Bt Ali representing Building Information Modelling Centre for Digital Innovations and Solutions (BIMCDIS) of the Faculty of Built Environment, University of Technology Malaysia, Skudai Johor and;
(ii) Sr Chua Siow Leng (RISM/PAQS Accreditations)

The speaker representing RISM BIM Technical Committee for this conference was Ms. Kwong Chin Wei with the title "Getting the Right Footing For 5D BIM - The Malaysian Experience".

The International QS BIM Conference 2017 was a great success and had a great impact in the hearts of all and created a wonderful bond and close relationships between all organisers, sponsors and participants all over the Pacific region whilst embadding the knowledge of BIM advances.

The next International QS BIM Conference will be held in November 2018 in Sydney, Australia.

7.6.3 CIDB BIM Day 2018

RISM had successfully collaborated together with CIDB for the BIM Day 2018 at CIDB BIM Convention Centre 2018 on 29th March 2018.

For the BIM Forum held on the 29th March 2018 BIM Day, the representatives from different professional bodies who participated were i.e. Ar Latifah from LA Architect, Sr Sharifah Noraini Noreen Bt Syed Ibrahim Al-Jamalullail from RISM, En. Abi Sarwan from 3D Tech and Ir. Prof Dr Julian Lee from University of Hong Kong. The moderator for the BIM Day forum was the PAM President Ar Ezumi Harzani Ismail.
7.6.4 CITP CIDB National BIM Roadmap 2018

The CITP-CIDB National BIM Roadmap workshop was successfully held on the 21st and 22nd February 2018 at Marriot Hotel, Putrajaya.

In the discussion in the BIM National Roadmap workshop, the 7 pillars are:-
(i) Pillar 1 - Standards & Guidelines
(ii) Pillar 2 - Collaboration
(iii) Pillar 3 - Capability & Capacity
(iv) Pillar 4 - National BIM Object
(v) Pillar 5 - Legal Issues
(vi) Pillar 6 - Special Interes Group
(vii) Pillar 7 - Research & Development

The workshop was attended by RISM representatives:-
(i) Sr Sharifah Noraini Noreen Bt Syed Ibrahim Al-Jamalullail (PDMA/IPIM)
(ii) Assoc. Prof. Sr Dr. Kherun Nita Bt Ali (UTM)
 Sr Dr. Hafez Bin Saleh (UM)

RISM would collaborate with CIDB and other organisations for the betterment of the BIM Industry.
During the meeting, CIDB has requested RISM to set up a task force and lead for the 5th Pillar i.e. Legal Issues in BIM.

In the QS Division meeting on the 7th April 2018, RISM Legal BIM Task force Committee be approved and to be chaired by Sr Sharifah Noraini Noreen Bt Syed Ibrahim Al-Jamalullail. Sr Sharifah was requested to form and establish the RISM Legal task force committee.

RISM are also to help in the establishment of the 4D and 5D BIM together with CIDB in the awareness and education programmes which will lead by Sr Sharifah.

7.6.5 PAM BIM Summit 2018 on 9th July 2018

RISM, IEM & ACEM are collaborating together PAM BIM Summit Day on 9th July 2018. PAM has requested RISM representatives to be the moderator and speaker for the day. Sr Ahmad Suhaimi had requested to discuss with BIM Technical Committee on the nomination for representatives who has knowledge in BIM. Proposed speaker would be Sr Sharifah Noraini Noreen Bt Syed Ibrahim Al-Jamalullail whereas moderator is Sr Lim Kok Sang.
7.6.6 **QS Vocational Training Course Syllabus**

Course syllabus is being drafted for QS Vocational training.

7.6.7 **RICS BIM Competition 15th & 16th August 2018 and BIM Conference 25th July 2018**

RICS also had requested RISM representative, with RICS membership, to be the judge for the BIM competition. The Chairman (Sr Ahmad Suhaimi) has asked RISM BIM Technical Committee for any suitable representatives since the person needs to have knowledge in BIM. The proposed judge from RISM is Dato’ Sr Peter Tan Chon Hoo@Tan Choon Hoo.

PAM has proposed for a memorandum to be signed as a form of collaboration between RISM.

Meanwhile, RICS has invited Sr Sharifah Noraini Noreen to join the BIM Forum for their RICS BIM Conference day on 25th July 2018.

7.6.8 **BIM Guidelines**

Brunsfield BIM Guidelines and JKR BIM Guidelines will be studied with a view for adoption if suitable.

7.6.9 **Elemental Design Analysis (EDA) Training Workshop**

To expand the use of EDA, it was proposed that CIDB could collect the information as part of the project award notification for the levy and RISM could do the compilation and analysis.

7.6.10 **UTM-RISM Collaboration on 4D 5D BIM Training**

It is proposed that UTM – RISM to establish and develop the 4D 5D BIM Trainings (on-going)

7.6.11 **PAQS 2018 at Sydney, Australia**

For the PAQS Conference which will be held in Sydney Australia on November 2018, two speakers from RISM have been proposed, they are:-

i. Sr Chin Keh Liang

ii. Sr Sharifah Noraini Noreen Bt Syed Ibrahim Al-Jamalullail

Their abstracts need to be submitted by the 15th May 2018 to the PAQS committee. The Committee is waiting for confirmation from the organiser on the papers.
7.6.12 **PAQS BIM Repository**

A storage space to store BIM related documents is created within the PAQS website to allow a space for PAQS members to share their BIM knowledge.

7.6.13 **Memorandum of Co-operation (MoC) for BIM Co-operation**

There is a possibility that the MoC for BIM cooperation between Malaysia, Hong Kong & Singapore be extended to Australia for signing in the coming PAQS Conference.

7.7 **Qualification and Membership Review**

7.7.1 **Election to the Various Class of Membership – New and Upgrade Applications**

The QS Division admitted **12** Fellow Member, **226** Full Members, **270** Graduate Members, **22** Probationers, **10** Associate Members, **10** Student Members and **1** Technician. The list of Quantity Surveying Division’s new and upgrade applications approved for the Session 2017-2018 is attached and marked as Appendix A (QS).

7.7.2 **Membership Scheme**

The Qualification and Membership Review Sub-Committee has been actively involved in promoting RISM membership to the various companies and universities during its visit throughout the session and below are the details:-

<table>
<thead>
<tr>
<th>No</th>
<th>Company/ University</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gamuda KVMRT Sdn Bhd</td>
<td>26th October 2017</td>
</tr>
<tr>
<td>2</td>
<td>SEGi University</td>
<td>20th November 2017</td>
</tr>
<tr>
<td>3</td>
<td>Taylors University</td>
<td>24th November 2017</td>
</tr>
<tr>
<td>4</td>
<td>Tunku Abdul Rahman University College</td>
<td>28th November 2017</td>
</tr>
<tr>
<td>5</td>
<td>University of Reading, Johor Bahru</td>
<td>22nd January 2018</td>
</tr>
<tr>
<td>6</td>
<td>Universiti Tunku Abdul Rahman</td>
<td>16th March 2018</td>
</tr>
<tr>
<td>7</td>
<td>IJM Corporation Sdn Bhd</td>
<td>6th April 2018</td>
</tr>
</tbody>
</table>

7.7.2.1 **Programme for QS Registration Scheme (PQRS) 2017**

This registration scheme is a joint venture between Royal Institution of Surveyors Malaysia (RISM), Board of Quantity Surveyors Malaysia (BQSM) together with Universiti Teknologi Malaysia, Kuala Lumpur and other universities. This programme is designed to get all graduate quantity surveyors properly registered with BQSM as well as enrol with RISM.

PQRS is also aim to address the issue of the QS today and the way forward to embark ideas for future betterment of the profession. With this idea, we have invited some prominent organizations to be the sponsor and contribute in the souvenir book to advertise their company’s brand for the programme to be more effective.
PQRS was held on 24th October 2017 at Universiti Teknologi Malaysia, Kuala Lumpur Campus and attended by more than 500 participants. QS Division opened a counter at the event to facilitate renewal of subscription and new registration of membership with RISM.

7.8 Sports and Social

7.8.1 2017 RISM QS Division Surveyor Social Event - Healthy Life Awareness Workshop

This Healthy Life Awareness Workshop was organized on 25th November 2017 at Crossfit Pahlawan, Citta Mall, Ara Damansara, Petaling Jaya fully sponsored by QS Division to the members and members’ families.

The Program consisted of the following:-
- Briefing / Talk
- Current issues in Malaysia’s Lifestyles
- How to practice healthy lifestyle
- How to eat right
- What exercise program suits one lifestyle
- How to exercise effectively and many more of introducing basic exercises for healthy living.
- Workout 1, 2 and 3
- Squats, push-ups and other movements in gymnastics element
- Weightlifting elements using barbell, kettle bell and medicine ball
- Cardio elements like running and rowing

Participants were introduced to the medium and high intensity workout program which includes the combination of exercise from cardio, gymnastics and weight lifting elements. It was a successful workshop indeed and members appreciated it.

7.8.2 QS Fellowship Night 2018, Theme: 50 Shades of Grey

QS Fellowship Night was organised successfully by QS Division on the 19th January 2018 at President’s Lounge, 2nd Floor, RISM which received an overwhelming responses from members. This event was held in appreciation and to acknowledge in recognition of their contribution towards the institution. We hoped to organise such a prestigious event again in future.

7.9 Courtesy Visit

7.9.1 Memorandum of Understanding (MoU) between Royal Institution of Surveyors Malaysia (RISM) and Malaysian Institute of Arbitrators (MIArb)

Delegates from Malaysian Institute of Arbitrators made a visit to RISM on 11th January 2018 attended by the President and some Council Members.

The purpose of the visit was to discuss on the issues pertaining to diversifying the membership between both institutions as well as to promote events to the members.
MIArb had expressed interest to sign Memorandum of Understanding (MoU) with RISM to facilitate the above. As such, the signing ceremony of the Memorandum of Understanding between RISM and MIArb had taken place on 8th March 2018 at Hilton Hotel, Petaling Jaya, Selangor.

This signing ceremony was graced during the National Real Estate Convention (NREC) which was held at the same venue. The purpose of signing the Memorandum is to have common understanding that is to build a long term co-operative relationship and collaboration between both bodies. The ceremony was attended by the QS Division Chairman, Sr Ahmad Suhaimi Bin Abdul Majid, President of MIArb, Mr. Sudharsanan Thillainathan and President of RISM YBhg. Dato’ Sr Lau Wai Seang to sign the memorandum which was witnessed by Mr. Verghese Aaron Mathews (Hon. Treasurer of MIArb) and Sr Lim Choon Yong (Hon. Secretary Gen. of RISM).

7.9.2 Visits by Foreign Delegates

Meetings were held between RISM QS Division and foreign delegates from two professional institutions that are:

a) Chartered Institution of Civil Engineering Surveyors (ICES) on 9th October 2017
b) Ikatan Quantity Surveyors Indonesia (IQSI) on 13th October 2017

Amongst issues that mainly discussed were:-

i. Possible collaboration in seminar/ conference
   ii. To encourage the exchange of professional knowledge and development.
   iii. To facilitate membership

QS Division is looking forward to work with them as an opportunity to promote RISM in the international level.

7.10 Other Local and International Participation

7.10.1 21st Annual Pacific Association of Quantity Surveyors in Vancouver, Canada

The 21st PAQS Congress was held from 21st till 25th July 2017 at Vancouver, Canada. Members from QS Division attended for the followings:-

<table>
<thead>
<tr>
<th>Board Officers</th>
<th>YBhg. Dato’ Sr Aziz Bin Abdullah</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sr Ahmad Suhaimi Bin Abdul Majid</td>
</tr>
<tr>
<td>Research Committee</td>
<td>Sr Dainna Bt Baharuddin/ Sr Eric Khoo Sui Lai</td>
</tr>
<tr>
<td>Education Committee</td>
<td>Sr Chua Siow Leng/ Sr Kwan Hock Hai</td>
</tr>
<tr>
<td>BIM Committee</td>
<td>Sr Quek Jin Keat</td>
</tr>
<tr>
<td>Sustainability Committee</td>
<td>Sr Ahmad Suhaimi Bin Abdul Majid</td>
</tr>
</tbody>
</table>
7.10.2 Dialogue Session with Institution of Higher Learning

QS Division was invited to attend a dialogue session with the Institutions of Higher Learning organised by the QS Accreditation Council of Board of Quantity Surveyors Malaysia (BQSM) at University of Reading, Iskandar Puteri, Johor on 28th September 2017. All universities, colleges as well as polytechnics either public or private with QS degree/diploma programme were invited for the session.

Some of the matters discussed were:-
   i. Update on list of accredited qualifications
   ii. Compilation of the QS programme for each institution including the duration, the number of graduates, the supervision on internship etc.
   iii. BIM as a subject based on the RISM educational framework.

7.10.3 QS International Convention (QSIC) 2017

QSIC 2017 was successfully held from 11th till 12th October 2017 at Sunway Putra Hotel, Kuala Lumpur jointly organized by the Royal Institution of Quantity Surveyors Malaysia together with the Board of Quantity Surveyors Malaysia (BQSM), Universiti of Malaya (UM) and Public Works Department Malaysia (PWD). Theme of the 2 day Convention is “Is QS Still Relevant?” There were international speakers as well as renowned local speakers presenting their papers.

This convention managed to attract 600 registered participants and 8 exhibitors.

7.10.4 International Construction Week 2018 and Ecobuild Southeast Asia 2018

RISM was invited to be the supporting/organizing partner of the International Week 2018 by CIDB and Ecobuild Southeast Asia which was held from 27th till 29th March 2018 at Kuala Lumpur Convention Centre & CIDB IBS Centre with the theme “Achieving Peak Productivity”.

RISM took this opportunity to participate during the exhibition which last for 3 days at Kuala Lumpur Convention Centre (KLCC) to promote the institution and surveying profession to the public.

7.11 Task Forces

7.11.1 National Construction Cost Centre (N3C)

Construction Industry Development Board (CIDB) and RISM had signed a Memorandum of Agreement on 14th November 2016 for the QS Division to be appointed to provide professional services in the development of construction cost information based on Elemental Cost Analysis (ECA) or Construction Cost Model (CCM) in an agreed format, for various categories of projects identified by CIDB.

The agreement is for 2 years and CIDB has provided grant for the QS Division to undertake the task. So far RISM has completed 40 prototypes based on ECA format compiled from what have been done under Building Cost Information Centre (BCIC)
Sub-Committee. CIDB is in the midst of finalising the software vendor who would design the ECA or CCM as per requirement of the stakeholders. Once completed, RISM will feed the required informations to the system for the use of members/public.

7.11.2 Tender Price Index (TPI)

CIDB appointed RISM QS Division in November 2017 on the development of standard base price known as Ready Reckoner (RR) in preparation of Tender Price Index (TPI). CIDB has provided grant for the QS Division to undertake and complete the task. The Ready Reckoner uses 2016 as the base year and to date, RR is completed and being tested by the industry members. The final product is to prepare and publish public and private TPI from the approved RR, in line with Construction Industry Transformation Programme (CITP) 2016 – 2020.

7.11.3 Standard Method of Measurement (SMM) Task Force

Development of Standard Method of Measurement (SMM3) For Building Works

Introduction

Quantity Surveying Division has initiated the Development Construction Industry Development Board (CIDB) has CITP his proposal is developed in order to obtain budget allocation from CIDB for the development of the updated Standard Method of Measurement Building Works known as SMM3 for Building Works.

Objective

The objectives are as follows:

i. To develop standard method of measurement for all elements in the Construction Industry Development Board of Development (CIDB).

ii. To incorporate new elements such as Industrialized Building System (IBS), Building Information Modelling (BIM), Alterations, Repair, Conservation and more comprehensive Mechanical & Electrical.

iii. To tabulate the format for ease and standardization of the Standard Method of Measurement.

Scope of Works

To make a comparison between the existing available standard methods of measurement from different countries i.e Australia (AIQS), Hong Kong (SMM4), Britain (NRM2) and Singapore (SMM2).

To develop 2 types of standard method of measurements:-

i. For projects without using BIM including IBS systems

ii. For projects using BIM

To develop standard library BQ descriptions and Standard Guide for Building Works.

The final document of SMM3 which is anticipated to be launched during QSIC in October 2018 with an approved format which will be published as an user guide for the public.
SMM3 Workshop

The SMM3 workshop was successfully held on the 13\textsuperscript{th} and 14\textsuperscript{th} April 2018 at Melia Hotel, Kuala Lumpur.

The workshop was a successful collaboration from different agencies and professional bodies i.e. RISM, CIDB (Business), CIDB (BIM), PAM. ACEM, IEM, JKR, Main Contractors, Developers etc. and private sectors with around 24 numbers of attendees. This workshop is a brainstorming session on work sections of the SMM by the representative groups.

8. Any issues (Regional or International) which you wish to have considered by the ICEC Council.

RISM would like to initiate the setting up ASEAN International Cost Management and Contract Administration Center and the secretariat will be at RISM. WE would like ICEC to discuss this matter and to consider participation of members of ICEC in ASEAN region to nominate a representative to join the pro-term committee of the center to initiate the setting up of the center. The write-up on the center will be in the attached appendix.

9. Any other items of interest which you wish to report:

To propose ICEC to set up a committee on Cost Management and Contract Administration and members of the committee can participate in the discussion and meetings to be held early 2019.

On behalf of
Royal Institution of Surveyors Malaysia (RISM)

\textbf{Prof. Sr Dr. Abdul Ghani Khalid, FRISM, FRICS}
Vice President of the Quantity Surveying Division
Session 2018/2019

Report prepared by:

\textbf{Sr Richard Ooi Hoo Ong, FRISM}
Secretary of the Quantity Surveying Division
Session 2018/2019
APPENDIX A

PROPOSED CONCEPT IDEA FOR
ASEAN INTERNATIONAL CONSTRUCTION COST & CONTRACT
MANAGEMENT CENTRE (ICCCM)

1.0 Introduction

ASEAN International Construction Cost Management & Contract Administration centre is established with the aim to advance knowledge and professional practice on cost and contract management. The Centre's axiom is *Capacity Building through Communities of Practice*, reflecting its focus on bringing research, theory, policy and practice in cost and contract management through fostering close partnerships across the ASEAN built environment educational and professional practicing community. This is with a view to promoting positive change to the national construction industries within ASEAN in preparing for the Fourth Industrial Revolution which will significantly reshape project management and contract practices.

Consistent with this, we aim to assist facilitate the development of more holistic, contextualised and systemic understandings of building the human capital in cost and contract management capability through collaborative community engagement and continued learning in confronting the future.

2.0 VISION

“To be a recognised ASEAN international centre for excellence in Construction Cost & Contract Management”

3.0 MISSION

“To create the platform to foster the environment that can facilitate advance knowledge and practice in cost and contract management through professional practice, industrial linkages, knowledge sharing and scholarly activities”

4.0 OBJECTIVES

1. Promote community of practice in cost and contract management within the ASEAN construction industries

2. Provide the platform to foster collaborations in educational, training, continuing professional development (CPD) activities related to cost management and contract administration.

3. Organise dialogues for knowledge sharing, sharing best practices, and re-learning cost and contract management among between the ICCCM community.

4. Offer and participate in research, consultancy, training, corporate education and continuing professional development (CPD) services with construction industry stakeholders.
5. Assist to produce competent consultants, researchers and scholars in cost and contract management within the ASEAN region.

**Operationalising the objectives:**

**Objective 1, 2 & 3:**

a) Establish the ICCCM network to identify members from the ASEAN countries to become members of the ICCCM community.

b) Establish a “ICCCM Community Portal” to facilitate dialogue and knowledge sharing on cost and contract management among the ICCCM community.

c) Organise periodic/annual meetings and conferences for all professional members involved in cost and contract management activities.

d) Promote research, education, training, continuing professional development (CPD) and professional activities collaboration.

e) Consequent to (c) develop a central repository data-base system to capture, store and compile best practices and new knowledge.

f) Establish a secretariat and appoint the team to manage activities (a) – (d).

**Objective 4 & 5 (consequent to Objective 1, 2 & 3):**

a) Identify the cost and contract management learning packages which can be an educational, training, CPD or professional practice ‘product’ which can be commercialised.

b) Identify the cost and contract management research which can be advanced for collaboration.
REPORT OF SINGAPORE INSTITUTE OF SURVEYORS AND VALUERS TO THE INTERNATIONAL COST ENGINEERING COUNCIL REGIONAL MEETING

1. Date of Report 19 October 2018

2. Country: Singapore

3. Organization's Name: Singapore Institute of Surveyors and Valuers (SISV)
   a. Headquarters telephone No.: 65-62223030
   b. Contact person at Headquarters:
   c. Headquarters e-mail address: qs-paqs@sisv.org.sg
   d. Headquarters website: www.sisv.org.sg

4. ICEC Representative/Delegate's Name:
   a. Telephone No.: Goh Ngan Hong
   b. E-mail address: qs-paqs@sisv.org.sg

5. Organization’s Chair / President’s Name: Khoo Sze Boon
   a. Telephone No.: 65-6424 0287
   b. E-mail address: QSPresident@sisv.org.sg

6. Upcoming Seminars/Conferences/Congresses:
   (Please list each event with dates, venue, theme, and contact information / website. ICEC will post these events on the website.)

<table>
<thead>
<tr>
<th>Date/Venue</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>26/10/18 York Hotel, Singapore</td>
<td>(Session 1) Legal Insights and Practical Tips on Termination and Suspension of Construction Contracts; (Session 2) Liquidated Damages Clauses and Penalties: An Update</td>
</tr>
<tr>
<td></td>
<td>URL: <a href="http://www.sisv.org.sg/qs.aspx">http://www.sisv.org.sg/qs.aspx</a></td>
</tr>
<tr>
<td>31/10/18, SISV Training Room, Singapore</td>
<td>Risk Management 101 - Insurance as a Risk Transfer Mechanism</td>
</tr>
<tr>
<td></td>
<td>URL: <a href="http://www.sisv.org.sg/qs.aspx">http://www.sisv.org.sg/qs.aspx</a></td>
</tr>
<tr>
<td>9/11/18, Grand Copthorne WaterFront Hotel, Singapore</td>
<td>QS Networking Night 2018</td>
</tr>
</tbody>
</table>

7. Any New Initiatives. Training Courses, Published Technical Products?

   Joint SISV-SISV course: Certificate in Measurement of Building Works
   Module 1 (commencing 28 January 2019)
   Module 3 (commencing 25 January 2019)

8. Any opportunities for cooperation with other member organizations?
9. Please list any issues (Regional or International) which you wish to have considered by the ICEC Council.

10. Any other items of interest which you wish to report:
ITEM 9

ICEC World Congresses
a. 10th World Congress 2016 overview - Region 1 - Rio de Janeiro, Brazil
   (Angelo Valle)

b. ICEC/PAQS World Congress 2018 update - Region 4 - Sydney, Australia
   (Anthony Mills/Lani Kirby)

c. 12th World Congress 2020 - planning - Region 3 - Accra, Ghana
   (Osei Asante/ Kofi Obeng Ayirebi / Michael Frimpong)

d. 13th World Congress 2022 bid - Region 2 - Bid by DACE (Dutch Association of
   Cost Engineers)
d. 13th World Congress 2022 Bid - Region 2

- Bid by DACE (Dutch Association of Cost Engineers)
World Congress ICEC 2022

VIEWS on VALUE

PRELIMINARY PROPOSAL

APRIL 2022

METROPOLITAN AREA

AMSTERDAM / ROTTERDAM

NETHERLANDS

ORGANIZED and SUPPORTED BY DACE
Dear reader,

Thank you for the opportunity to submit our bid to organize the ICEC World Congress 2022 in the NETHERLANDS to you. We look forward to organize this international event as Dutch representatives of our Cost and Value engineering community. In this preliminary proposal we will present our plan to make the 2022 ICEC World Congress an unforgettable experience.

We are delighted about this opportunity and are looking forward to meet you all in the Netherlands!

Kind regards,

The organizing committee
Content

Preface
1. Congress Theme
2. Location
3. Organization
4. Marketing & Public Relations
5. Participation
Our request
1. Congress Theme

As central theme of the 2022 ICEC World Congress we propose:

**VIEWS on VALUE**

This reflects:
Our industries: *Process, Construction, Oil/Gas, Civils, Building, Transportation and Manufacturing*;

Our memberships: *Owners, Engineers, Contractors and Consultants*


Views on Value also means merging Academia and Practice and investigating Innovations and new developments such as Big data and Artificial Intelligence and its impact on our profession.
In the delta of the big European rivers is situated the Netherlands. It is created in an endless struggle with the sea, reclaiming the land with its characteristic dikes and windmills. It is made for agriculture (dairy and flowers) and trading. It is a natural historic hub in transportation (roads, rail, canals, rivers and sea) and nowadays also an International hub in air transport (Schiphol), data communication and gas transportation.

A modern flourishing country, with outstanding Congress and Leisure facilities in the Metropolitan area of Amsterdam/Rotterdam with excellent public transport and interesting to visit for congress participants and their families.
3. Organization

The event will be organized by 5 workstreams, which will be supervised directly by the DACE board.

An International Scientific Committee will be established to create the right balance between research and practice.

For the organization of the event, our back office MOS* will be used who are also an event planner organization.

* https://www.mos-net.nl/overmos
4. Marketing & Public Relations

Having a small home base we will focus on marketing.

Our first target will be the European ICEC colleagues and neighboring countries with a low representation in ICEC. Our second target will be the global community through the ICEC network.

We will make use of the existing channels within DACE and ICEC to promote the event to a large public.

For marketing of the event Social Media, an App and a conference website will be developed.

Partner organizations will be involved and facilitated to promote the event within their membership.
5. Participation

We look for Views on Value by aiming for delegates and sponsors from the industries we represent, i.e. Process, Construction, Oil/Gas, Civils, Building, Transportation, Manufacturing and the Owners, Engineers, Consultants and Contractors that work in those industries.

We will combine this home base with the international professional organizations of cost engineering and quantity surveying and the academic world of that profession.

We will look for value in estimating, project control, contract & project management and value engineering.
Our request

Will you trust us to organize the 2022 ICEC World Congress VIEWS on VALUE?
Contact

Please contact Robert de Vries, chair of the DACE board, for information about this proposal at: Robert.deVries@Stork.com
or +31 6 22 74 46 97
Dear Region 2 Committee Members,

We have not received any objection to DACE hosting the 2022 ICEC World Congress, or any alternative bids.

The ICEC Region 2 Committee, therefore, endorses and supports DACE in their application to host the 2022 ICEC World Congress.

Kind regards,

Alec Ray
Chair ICEC Region 2

-------- Forwarded message --------

From: Peter Smith <Peter.Smith@uts.edu.au>
Date: Tue, 30 Oct 2018 at 02:11
Subject: ICEC WORLD CONGRESS 2022 - Region 2 Hosting
To: Robert de Vries <Robert.deVries@stork.com>, Andrej Kerin <andrej.kerin@guest.arnes.si>, ROGER BATTEN <106351.1724@compuserve.com>, ALAN BARLTROP <alanbarltrop@btinternet.com>, Sean Regan <sean.regan@lgm-international.com>, AICE-Gianluca di Castri <gianluca.dicastri@aice-it.org>, helen@acoste.org.uk <helen@acoste.org.uk>, AndrejKerin-OtherEmail (andrej.alojzij.kerin@gmail.com) <andrej.alojzij.kerin@gmail.com>, info@acoste.org.uk <info@acoste.org.uk>, Angela Pammenter (apammenter0510@hotmail.co.uk) <apammenter0510@hotmail.co.uk>, emaneue.banchi@aice-it.org <emanueue.banchi@aice-it.org>, laura.dellamoretta@acoste.org.uk <laura.dellamoretta@acoste.org.uk>, nicolaou.konnides@cyntel.com.cy, Carsten Wredstrom <carsten@intraproces.dk> <carsten@intraproces.dk>, morten@fangel.dk <morten@fangel.dk>, borbas.lagos@gmail.com <borbas.lagos@gmail.com>, sronan@cices.org <sronan@cices.org>, Bill Pryke <bpryke@cices.org>, Jim.McCluskey@vinciconstruction.co.uk <Jim.McCluskey@vinciconstruction.co.uk>, Brigitte Schaden (brigitte.schaden@p-m-a.at) <brigitte.schaden@p-m-a.at>, Birgit Straka (Birgit.Straka@p-m-a.at) <Birgit.Straka@p-m-a.at>, Agnes Kuczynska (Agnes.Kuczynska@p-m-a.at) <Agnes.Kuczynska@p-m-a.at>, paris@pantouvakis.gr <paris@pantouvakis.gr>, info@pmgreece.gr <info@pmgreece.gr>, amtec@k.ro <amtec@k.ro>, Giles Turre (gilles.turre@free.fr) <gilles.turre@free.fr>, Christian Altier (info@smap-asso.eu) <info@smap-asso.eu>, sppr@sppr.sk <sppr@sppr.sk>, kjartanbe@sismi.is <kjartanbe@sismi.is>, info@zpm.si <info@zpm.si>, jan-willem.sanders@mos-net.nl <jan-willem.sanders@mos-net.nl>, kGardiner@aiqs.com.au <kGardiner@aiqs.com.au>
Cc: Alec Ray (ray.alec@gmail.com) <ray.alec@gmail.com>, Peter Smith <Peter.Smith@uts.edu.au>, kGardiner@aiqs.com.au <kGardiner@aiqs.com.au>

Dear ICEC Region 2 (Europe & Near East) Member Associations,
On behalf of ICEC Region 2 Director, Alec Ray, I would like to send you an important message about the hosting of the 2022 ICEC World Congress.

As you would know, the ICEC World Congress is held every 2 years and rotates between each of the 4 ICEC Regions (1. Americas, 2. Europe/Near East, 3. Africa, 4. Asia-Pacific). The 2016 Congress was held in Brazil (Region 1), this year’s congress is being held in Sydney (Region 4) and the 2020 Congress will be held in Ghana (Region 3).

So Region 2 will host the 2022 ICEC World Congress. DACE (Dutch Association of Cost Engineers) have put forward their application to host the 2022 Congress in the Netherlands and will be putting in their bid during the ICEC Council Meeting in Sydney on 15-16 November 2018. Attached is the DACE Bid Proposal that will be presented by Robert de Vries, chair of the DACE board, at the ICEC Council Meeting.

The purpose of this email is to inform all Region 2 member associations about this and to ask whether your association supports the DACE bid or, alternatively, whether your association would also like to bid to host the 2022 Congress.

It would be appreciated if you could please respond to myself and Alec Ray by Monday 12 November 2018, as this will be discussed and voted on at the ICEC Council Meeting in Sydney on 14/15 November 2018.

Regards

Peter

Dr Peter Smith
ICEC Secretary General
International Cost Engineering Council (ICEC)
ICEC Secretariat
Level 3, 70 Pitt Street, Sydney NSW 2000
Australia
Tel: +612 8234 4000
Email: secretariat@icoste.org
Web: www.icoste.org
ITEM 10

ICEC Initiatives & Strategic Directions – ‘Think Tank’ Discussions
ICEC Initiatives & Strategic Directions – ‘Think Tank’ Discussions

a. Current/Future Industry Directions & Needs of ICEC Member Associations
- Global industry trends & impact on professional associations
- Issues/challenges/opportunities currently faced by ICEC member associations
- Strategies/initiatives being implemented by ICEC member associations
- Feedback on how ICEC can provide greater value & assistance for ICEC member associations

b. International Comparative Research – ICEC Network
- Research network groups
  - eg. QS/CE Practices Evolution/Comparisons, 5D BIM Implementation, Project Cost Overruns, etc.

c. ICEC Global Collaboration
- International Construction Measurement Standards Coalition
- International Ethics Coalition
- United Nations
- World Federation of Engineers (WFEO)
- MOC Associations (PAQS, AAQS, RICS, FIG, IPMA)

d. ICEC Website Inventory (‘One Stop’ Shop for Global Sources of Cost Related Information)
- Sources of Published Cost Sources (National, Regional & Global)
- QS/CE/Project Controls Standards/Best Practices
- ICEC International Cost Management Journal (ICMJ)
- Project Cost Management Baseline Body of Knowledge
- Project Cost Management Glossary of Terms
- Certification & CPD Programs by ICEC Member Associations
- Training programs & seminars by ICEC Member Associations
- Project Cost M’ment Seminars/Congresses (National/Regional/Global)
- ICEC Member Country Contacts

e. ICEC Communications
- ICEC Website
- ICEC Global Professional Network Project (Linked In)
- Social Media
- Web based meeting platforms (Skype, etc)
- Smart technology/software
- International Roundup Newsletter
- Promotional Materials
- ICEC Information Kit

f. ICEC Income Generation
- ICEC Business Register
- Advertising/Sponsorship Revenue
- Individual membership
- Other potential sources of income
g. ICEC Accreditation Program for Member Association Certification and CPD Programs
   - Current status & further development
   - Promotion of international recognition/endorsement

h. Emerging Nations/Professional Associations in Project Cost Management
   - Overview (eg. Russia, Iran, Indonesia, etc.)
   - Strategies to support these nations/associations

i. ICEC Regional Structure
   - Discussion on current ICEC regional structure & possible new regions
   - Middle East
   - Eastern Europe
   - South/Central/North America
   - Africa/North Africa

j. ICEC Officer Positions & Roles
   - Discussion on possible New Director positions
   - Discussion on positions and roles generally

k. Other ideas and suggestions
   - Open Forum
a. Current/Future Industry Directions & Needs of ICEC Member Associations
Chartered Accountants Australia and New Zealand

Chartered Accountants Australia and New Zealand is a professional body comprised of over 115,000 diverse, talented and financially astute members who utilise their skills every day to make a difference for businesses the world over.

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For further information visit rmit.edu.au/accounting
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The Future of Associations

ROSS DAWSON

INTRODUCTION

Historically, professional associations have demonstrated the power of connection and collaboration, of bringing together knowledge and expertise to create value, ideas that are now at the heart of the 21st-century economy.

As the world is changing, so too is the role of professional associations. Indeed, they are now facing the greatest change in their long history. Guilds were the first incarnations of professional associations, creating boundaries around professions. Nobody could work outside a guild, which completely controlled who could practice a trade or profession within the walls of a city. To become a member of a guild an apprentice had to learn the craft for a minimum of five years and then be a journeyman in that craft for a minimum of 10 years. Only once that investment of time and resources had been made could they take their place among the masters of the guild. The guilds had great power, to the extent that members of some guilds could not marry without special dispensation until they had become a master. The guilds were absolute monopolies and sharing the secrets of the guild was punishable with expulsion, and hence loss of livelihood. In protecting their profession or trade, the guilds were acting in self-interest but were also seeking to maintain standards.

Centuries later, many of these characteristics of the guilds can be seen in the way contemporary professional associations function. Although we no longer live in walled cities, in many ways today’s professional associations are still defined by their boundaries. But things are changing.

A powerful metaphor and example of falling boundaries in the modern world occurred on 9 November 1989 – the day the Berlin Wall came down – with many other boundaries across many domains falling or blurring since then. Just a few years later, HTML and HTTP were introduced, with open standards that allow the flow of information to shift from bounded domains to open sharing. Just as political walls were crumbling so too were the walls around data and information.

A NETWORKED WORLD

We are now starting to see the rise of a networked world on all fronts. An important aspect of how networks underlie value creation in society and organisations is the idea of scale-free networks. A scale-free network has the same structure and topology, irrespective of its scale. The internet, for example, has exactly the same fundamental structure as it did 20 years ago; it is just many times larger. Organisations are fundamentally networks, despite their design as hierarchical structures, and in a highly connected world are shifting towards this scale-free structure. The way that knowledge and information is shared in these scale-free structures calls into question the boundaries that underlie professional associations.

As boundaries break down, will the fabric of professional associations also break down? While they clearly face significant challenges, conditions are also being created in which the value of an association is potentially greater than it has been in the past. To date, the vast majority of associations have significantly under-exploited their potential value. Now, confronted by change, they have the opportunity to realise that latent value.
THE FOUR DOMAINS OF ASSOCIATIONS

There are four broad domains in which associations play a key role. The first is in representation. A professional association represents the members of that profession and, in doing so, uses the power of their collective voice to influence and shape policy, both in the interests of the profession and in the public interest. In taking this leadership role, professional associations can be too static. The interests of members change over time and it is important that representation is dynamic, focusing not just on the present but also on the future. A key principle in representation should be in leading the discussion of what participants want their profession to become.

The second broad domain of professional associations is that of standards. These include the standard of entrance to the profession, professional recognition and the ethics that guide professional behaviour. In some respects, these standards define the profession by accrediting the skills required to practice in that particular profession and by establishing and enforcing the ethical standards by which practice is undertaken.

Third, education and development are a key domain for professional associations, assisting members to achieve and transcend the standards they establish. Finally, the fourth domain is that of connecting members for mutual value. This can be achieved through a multitude of means, including organising events and online platforms.

SHIFTS IN THE LANDSCAPE

There are a number of fundamental shifts that are changing the world of business, and in turn the role and nature of professional associations. Connectivity is at the forefront of these, not just through fixed internet but also through the use of personal devices such as smartphones. Of the global population, currently half are mobile users, and a significant proportion of these are on social media. In the next five years around 2.5 billion more people will become mobile phone users, most of whom will be using 3G or internet-enabled devices (see Figure 1). With this rapid adoption of connectivity comes an engagement in immersive social media from Twitter to LinkedIn, allowing ready flows and connections across boundaries.

FIGURE 1 GLOBAL DIGITAL SNAPSHOT

A SNAPSHOT OF THE WORLD’S KEY DIGITAL STATISTICAL INDICATORS (JAN. 2016)

<table>
<thead>
<tr>
<th>Total Population</th>
<th>Internet Users</th>
<th>Active Social Media Users</th>
<th>Unique Mobile Users</th>
<th>Active Mobile Social Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.395 billion</td>
<td>3.419 billion</td>
<td>2.307 billion</td>
<td>3.790 billion</td>
<td>1.968 billion</td>
</tr>
</tbody>
</table>

Urbanisation: 54%  
Penetration: 46%  
Penetration: 31%  
Penetration: 51%  
Penetration: 27%

Figure represents total global population, including children  
Figure includes access via fixed and mobile connections  
Figure based on active user accounts, not unique individuals  
Figure represents unique mobile phone users  
Figure based on active user accounts, not unique individuals

This blurring of boundaries means that no longer is competition between organisations in particular industries, but between industries themselves. This shift to value being created across a broader ecosystem means that we can no longer deal with the world from within neatly defined boxes (see Figure 2).

THE ECONOMY OF INDIVIDUALS

In the connected world outlined above the unit of value creation is no longer the organisation, but the individual. For example, in the professions, more and more individuals are choosing to practice outside large firms to work with other individuals to create new virtual and networked organisational forms. This economy of individuals starts to reshape not just the ways in which professions are practiced but also the nature of how value is created.

This is illustrated in the rise of platforms (see Figure 3). There is a shift from institutional value to individual value creation. Value in this world is greatest for those that enable others’ participation in value creation, as shown in examples such as Uber, Airbnb and a plethora of emerging platforms.

In this connected world there are more and more mechanisms and structures that enable us to organise ourselves collectively, enabling the value of the economy of individuals. Wikipedia is a longstanding example of this. There are an increasing number of social movements forming through Twitter hashtags, often without a single leader as the catalyst. We are seeing that groups can be self-organising and can create extraordinarily valuable impactful movements without formal structures.

THE EXPLOSION OF CONTENT

There are two sides to the explosion of content creation that we are experiencing: the almost infinite information now available, and humans’ seemingly insatiable appetite for content. Figure 4 shows how much time is spent on media in US households.
We are getting closer to the point where we consume more media than we have waking hours in the day, as we use multiple media simultaneously. At the same time, this infinite information availability plays against the closed boundaries of information that characterise the professional association. Because information can be provided by anyone, with anyone who has a Twitter account, for example, being a media entity; we no longer have to rely on traditional media outlets such as television stations and newspapers for the latest news. More importantly, we no longer have to rely on professions and can break their monopoly of specialised information.
A VISION FOR THE FUTURE FOR PROFESSIONAL ASSOCIATIONS

Taking into account these significant shifts in the external environment, we need to consider what is a powerful and achievable vision for what professional associations could and should be. Below are some elements of a possible vision for their future.

In a world of fluid boundaries, professional associations must be proactive and not reactive in facing the challenges of the changed world. A starting point is to identify where is the greatest and deepest knowledge in the association and how can that be made available to others within that profession. This should drive continually higher standards and greater capabilities among all participants. Rather than being satisfied with reaching a threshold level of knowledge, the goal should be open-ended, permanent growth and development by all members. That can be achieved by tapping the best within the network, identifying and connecting the sources of the most trusted knowledge, and sharing it widely. The professional association is ideally placed to do exactly this.

Professional associations can amplify the serendipity of connections between members. The happy accidents of valuable fortuitous connections, for example through networking at events, is important. However, associations can do far more to make the most useful connections more likely to happen, through ‘engineering serendipity,’ through the careful design of digital and physical interactions.

Just as we are seeing a shift in governments around the world from representative democracy to participatory democracy, so too professional associations have the opportunity to move towards a structure in which members directly shape the organisation. In many associations there is a big gap between the board and the members; however, there is today real potential for members to participate in association governance.

More than ever in the future there will be a role for professional associations to take collective action, to use their collective voice to have an impact, but this is more likely to be through self-organisation rather than delegating an individual within the association to lobby on members’ behalf. This has the potential for powerful impact because members have many touch points with people around them, in their organisations, with local politicians and others, enabling them more directly to shape society and legislation.
An association needs to have the ability to understand not just its membership and their demographics but also the nature of the association as a network. Who is connected to whom? What is the nature of those connections and what are the things that we can do to become a better networked association? In addition, the availability of very rich data enables direct and deep insights into whether standards are being followed, allowing potentially real-time oversight of markets and professional activity.

Further, associations can establish platforms that assist value-creation in their communities. Figure 5 provides an overview of platform strategies. Platforms provide interfaces that enable participants to create value for themselves, sometimes in unexpected and unpredictable ways. Associations can start to build their own platforms as well as making use of other platforms, including social platforms. For example, LinkedIn is a professional platform that can be used effectively to connect with a user base.

A key role of the professional association is to filter, from the vast array of information available, what is relevant and put that together in an accessible way, through active filtering, aggregation and curation, drawing on the association’s unique expertise.

Figure 6 shows the emerging landscape for news,
a framework created to help news organisations think about where value resides in the future of news. The framework can be adapted quite easily to professional associations, in that both are in the business of creating value with information and knowledge. Professional associations can be the reference point for sharing and developing the knowledge relevant to their members.

This idea of community is central to where professional associations have relevance in the future. Expert individuals are collectively able to curate and aggregate information and use their reputation to provide deep insights for their peers. Together they can create valuable, pertinent, relevant content (see Figure 7). The professional association can add value to those who are sharing content by using algorithms to filter contributions and insights and add context to information.

**FIGURE 7 EFFICIENT CONTENT CREATION**

CONCLUSION

The future of associations should not be one of protecting existing interests, but one of taking a dynamic approach that is as flexible as the external environment. Creating a positive future requires effective leadership to create or catalyse or aggregate a vision, building on the value of the past and bringing new possibilities to life. It is about asking what the profession is becoming, what it could be, how the best outcomes can be created. Without a powerful vision to move towards, associations will be static and lose relevance in a changing world.

This process must be done within a framework of ‘governance for transformation’, which acknowledges the risks of change, but also recognises both the benefits of transformation and the risks of not changing. The same standards and ethics that are the foundation of the professional association of the past and present should enable and encourage the transformation of the professional association to continue to be relevant in the future.

The concept of the professional association is fundamentally based on the idea of collaboration, working together collectively to create valuable outcomes. Collaborating effectively within and beyond professional associations, we have the potential not just to create an extraordinary future for associations but also to create immense social value.

**FIGURE 8 GOVERNANCE FOR TRANSFORMATION**

<table>
<thead>
<tr>
<th><strong>Upside</strong></th>
<th><strong>Risks</strong></th>
<th><strong>Risks of NOT transforming</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Participate in transforming economy</td>
<td>Implementing the wrong strategy</td>
<td>Extinction</td>
</tr>
<tr>
<td>Create immense stakeholder value</td>
<td>Loss of staff who can’t accept change</td>
<td>Irrelevance</td>
</tr>
<tr>
<td>Seen as creating the future</td>
<td>Lose credibility</td>
<td>Irrelevance</td>
</tr>
</tbody>
</table>
b. International Comparative Research – ICEC Network
ICEC Initiatives & Strategic Directions – ‘Think Tank’ Discussions

c. ICEC Global Collaboration
d. ICEC Website Inventory (‘One Stop’ Shop for Global Sources of Cost Related Information)
e. ICEC Communications
ICEC Initiatives & Strategic Directions – ‘Think Tank’ Discussions

f. ICEC Income Generation
g. ICEC Accreditation Program for Member Association Certification and CPD Programs
h. Emerging Nations/Professional Associations in Project Cost Management
i. ICEC Regional Structure
IBEC Proposal

Creation of a new Region for Central and South America

IBEC has been a member of ICEC since 1981. In recent years, IBEC has been working intensively in Latin America, disseminating the Science of costs in the continent and expanding its borders. Since 2013, the president of IBEC and ICEC Americas’ Director, Paulo Dias, has been holding seminars and being present at international conferences and fairs in the Region and in other Portuguese-speaking countries. Its main objectives are the strengthening of Cost Engineering and a professional appreciation of engineers. As a result, IBEC signed agreements with entities from Cape Verde (Africa) and some Latin American countries: Argentina, Bolivia, Colombia, Cuba and Honduras. It also signed an agreement with the FEUP – Faculdade de Engenharia da Universidade do Porto, in English, Faculty of Engineering of the University of Porto. Since then, relations between these institutions have been growing stronger. Some of the actions carried out around the world by IBEC are listed below.

Costa Rica

IBEC, invited by ACIMA – Asociación Costarricense de Ingeniería en Mantenimiento, in English, Costa Rican Association of Maintenance Engineering –, was part of UPADI Annual Congress – Asamblea Intermedia UPADI 2017 – in Costa Rica, conducted between June 25th and June 28th. International associations like COPIMAN – Comité Panamericano de Ingeniería de Mantenimiento, in English, Pan-American Maintenance Engineering Committee –, FOICAP – Federación de Organizaciones de Ingenieros de Centroamérica y Panamá, in English, Federation of Engineering Organizations of Central America and Panama –, SPIA – Sociedad Panameña de Ingenieros y Arquitectos, in English, Panamanian Company of Engineers and Architects –, CFIA – Colegio Federado de Ingenieros y Arquitectos de Costa Rica, in English, Federated College of Engineers and Architects of Costa Rica – and other associations were part in the event.

The president of IBEC, Paulo Dias, was invited by the UNAICC – Unión Nacional de Arquitectos e Ingenieros de la Construcción de Cuba, in English, National Union of
Architects and Engineers of the Construction of Cuba –, to lecture at the XI Technical-Scientific Construction Conference, held between April 4th and April 7th, 2016. The lecture was about the overview of Cost Engineering in Latin America for more than 300 professionals, including Cubans, Argentinians, Bolivians, Colombians and Hondurans. Since then, the relationships between these institutions are getting closer.

Argentina
IBEC attended the Congress “Engineering 2014 – Latin America and Caribbean”, hosted in Buenos Aires, Argentina, in November 2014. Some of the objectives of the Congress were: identify the location of the greatest regional potential to sustaining long-term growth within an uncertain global context; detect the main efficiency constraints; discuss actions that assure the access of small and medium-sized companies to innovative methodologies and technologies.

The main construction engineering companies, such as IBEC, presented innovative and profitable projects for Latin America. During the event, IBEC signed contract with the Argentinian CPIQ – Consejo Profesional de Ingeniería Química, in English, Professional Chemical Engineering Council –, for academic cooperation and reciprocal assistance. A year later, IBEC returned to Buenos Aires to lecture for CPIQ professionals.

Honduras
After the president of IBEC, Paulo Dias, signed a technical-scientific cooperation agreement with the CICH – Colegio de Ingenieros Civiles de Honduras, in English, College of Civil Engineers of Honduras –, he was invited to talk about construction costs and a fairer distribution for all, held between July 30th and August 2th, 2013. Over 400 professionals from the Tegucigalpa and San Pedro Sula attended the lecture. Two years later, Paulo Dias returned to Honduras for the Annual UPADI Assembly, hosted in Roatan, between July 1th and July 3th, 2015.
Panamá
IBEC was part of the 29th IPMA – International Project Management Association – Congress, hosted in Panama, in September 2015. The event brought together more than 400 project managers from all over the world. IBEC and ICEC were exhibitors on the display area.

Cuba
Invited by the UNAICC – Unión Nacional de Arquitectos e Ingenieros de la Construcción de Cuba, in English, National Union of Architects and Engineers of the Construction of Cuba –, Paulo Dias, president of IBEC, lectured at the XI Conferencia Científico-Técnica de la Construcción (in English, 11th Technical Scientific Construction Conference), held between the 4th and 7th of April 2016. Paulo Dias talked about the overview of Cost Engineering in Latin America for more than 300 Cuban professionals, hosted at the Havana International Conference Center. As a result of this conference, IBEC signed a technical-scientific cooperation agreement with UNAICC, represented by its president, Mercedes Elesther Savigne.

Bolivia
As a result of the strong performance in America and an active participation on UPADI, IBEC was present at the Congreso Técnico Internacional de Ingeniería (in English, International Technical Engineering Congress), organized by SIB – Sociedad de Ingenieros de Bolivia, in English, Bolivian Society of Engineers –, held on January 26 and 27, 2017, in Sucre, Bolivia. On its last day, the inauguration ceremony of the organization’s new president took place and the engineer Maria Tereza Dalenz was sworn in. She is responsible for IBEC’s partnership with Bolivia. Paulo Dias and José Chacon de Assis, the vice president of IBEC and Deputy Director of External Relations of the Region 1 of ICEC, held acclaimed lectures about the importance of Cost Engineering nowadays and sustainability. Both acted as representatives of ICEC on this event. IBEC was also in Bolivia for the UPADI annual meeting, in 2015, and for a seminar realized by SIB, in April 2016, hosted in the city of Santa Cruz de la Sierra.
Colombia

On April 1, 2016, IBEC held the Seminar on Cost Engineering, Sustainability and Project Management. The Seminar was held in Bogota, capital of Colombia, in the SCI – *Sociedad Colombiana de Ingenieros*, in English, Colombian Society of Engineers. Paulo Dias lectured about Cost Engineers on the Latin American context for more than 200 professionals coming from all over Colombia. IBEC was also in Medellin, during the UPADI Annual Assembly, in 2013.

Chile

Paulo Dias has been in Chile and also with Alfredo Serpell, president of the Chilean Corporation of Project Management at the International Meeting in Brazil, to discuss cost management and negotiate technological and intellectual partnerships for the development of Cost Engineering in Latin America. As a result of this partnership, IBEC is now a REP – Registered Education Programme – of the global IPMA – International Project Management Association.

Paraguay and Uruguay

IBEC has been in contact with institutions and associations in these two countries in order to sign technical-scientific partnership agreements. Since 2014, IBEC has been holding the International Meeting, where professionals from all over the world can discuss the scenario of Cost Engineering in Brazil. The event has happened four times, being held three times in Rio de Janeiro and once in Brasilia. This year, the event will be held in Sao Paulo and professionals from Argentina, Bolivia, Honduras, Paraguay, Australia and USA will be present, as they have been in previous editions.
Portugal

During his visit to Portugal, Paulo Dias signed an agreement with the FEUP – Faculdade de Engenharia da Universidade do Porto, in English, School of Engineering of the University of Porto.

On October 19, 2015, Paulo met with the director of FEUP, João Falcão Cunha, and the director of the Laboratory of Systems and Components of FEUP, Hipólito Sousa, to sign a technical-scientific cooperation agreement between the institutions.

For FEUP, a closer relationship between the Portuguese and Brasilian markets is considered strategic, since it will allow both countries to develop in a very important technical field for engineering and society: cost evaluation.

Due to this partnership, Paulo held the lecture "Cost Management in the 21st Century - Integration with Project Management" for FEUP students and professionals. FEUP also provided institutional support to the 10th ICEC World Congress.

On July 21, held in FEUP, the international module in Construction Management began, an exclusive course that aims to offer IBEC students the opportunity to study in one of the best universities in the world, providing high quality training and networking.

Partnerships/Agreements

Argentina – Consejo Profesional de Ingeniería Química (CPIQ)
Bolivia – Sociedad de Ingenieros de Bolivia (SIB)
Cape Verde – Ordem dos Engenheiros de Cabo Verde (OECV)
Chile – Departamento de Ingeniería y Gestión de la Construcción
Chile – Escuela de Ingeniería - Pontificia Universidad Católica de Chile
Colombia – Sociedad Colombiana de Ingenieros (SCI)
Costa Rica – Asociación Costarricense de Ingeniería en Mantenimiento (ACIMA)
Cuba – Unión Nacional de Arquitectos e Ingenieros de la Construcción de Cuba (UNAICC)
Honduras – Colegio de Ingenieros Civiles de Honduras (CICH)
Portugal – Faculdade de Engenharia da Universidade do Porto (FEUP)
Italy – Societá Dante Alighieri
Germany – Global Partners Bayern e.V.
UPADI – Unión Panamericana de Asociaciones de Ingenieros
IPMA Global (International Project Management Association)

Justification

Over the years, all activities carried out by IBEC were in countries of Latin America and there are some reasons for this, which will be explained below. The first, and probably the most significant, is the high cost to participate in activities in North America. This is mainly due to the devaluation of the currencies of the countries of South and Central America against the US dollar, making it difficult to maintain frequent activities between these countries. Another reason for the creation of a new Region for Latin America is the distance between the countries of the current Region 1. Even if the costs were low, the activities in North America countries wouldn’t be frequent due to the long distance and, as a consequence, the time spent travelling. Brazil, the 5th largest country in the world, can be used as an example. Its territory represents almost the entire European continent. Without Russia, Europe would fit in Brazil.
The political-economic scenario is another fact that must be highlighted, since, in this context, the countries of South and Central America are more similar than those of North America. Corruption, coup d’état and unemployment have mostly been overcome by the North American countries, but it’s still a problem for the countries of South and Central America. Therefore, there is a development gap between countries within the Region 1 that may lead to divergences about the view of Cost Engineering.

A less significant reason, but which in general results in less participation of the countries of South and Central America in activities in North America is the language barrier. Even though English is the most widely spoken language in the world, the countries of South and Central America speak predominantly Spanish, which is very similar to Portuguese, being easier for these people to communicate. So much so that there are currently two different types of international engineering associations exclusively for spanish- and portuguese-speaking countries, as well as a lusophone association. Hence, it is a given that nations gather based on language, and there are a number of exemples to corroborate that fact:

Representatives of an association from Mozambique requested *Caixa Econômica Federal* (CEF) to indicate brazilian companies in the Cost Engineering industry (CEF suggested IBEC); a proposal is being taken under consideration, to enable engineers for practice freely between countries, members of MERCOSUR (Southern Common Market). Lastly, there is reciprocity between Brazilian and Portuguese Engineering, so consistent that it allows IBEC Chairman Paulo Dias to practice in both countries without reservations. This serves to show that there is indeed a rapprochement between countries with identical or similar languages.
Conclusion
For the reasons given above, in addition to the importance that IBEC gives to the maintenance of a frequent exchange of activities between member countries of the same Region, it’s suggested that a new Region for the South and Central America countries should be created.

Given the significant difficulty of creating labor associations in latin american countries, the existing ones congregate engineers of all specialties and act cumulatively in the control and regulation of the professional activity as well. Said characteristics were observed in visits to all aforementioned countries.

Obviously the cost factor - travelling and accommodation - have also an important role to play in this analysis. There is no doubt that ICEC is bound to benefit from the restructuring proposed here.

In IBECs understanding, nations more culturally integrated with USA and Canada may eventually be admitted in such Region - what matters in this case is that the affinities should be ones of linguistic, culture or any other kinship alike, and not geographical limitation in itself.
ICEC Initiatives & Strategic Directions – ‘Think Tank’ Discussions

j. ICEC Officer Positions & Roles
k. Other ideas and suggestions

Open Forum
ITEM 11

ICEC Young Member (Rising Professionals) Group

TT Cheung
ICEC Young Member (Rising Professionals) Group

Report from Young Member Group to be submitted at Council Meeting
ITEM 12

ICEC Governance Structure – Update & Strategic Directions
Existing ICEC Governance Structure For Review
Article I - Nature and Purpose

Section 1: The name of this organisation is "The International Cost Engineering Council," and its abbreviated name is "ICEC."

Section 2: This Council has been created with the objective of promoting cooperation among national and multi-national cost engineering, quantity surveying and project management organisations worldwide for their mutual well-being and that of their individual members.

Section 3: ICEC is a nonprofit organisation of international character whose objectives are to encourage, promote, and develop the science and art of cost engineering, quantity surveying and project management, hereinafter collectively referred to as the cost management profession, for the public good, worldwide.

Specifically, ICEC will:

- Coordinate and sponsor International Congresses on a global scale.
- Support and encourage International Symposia on a continental scale.
- Promote mutual cooperation between national and international organisations, which serve the cost management profession.
- Encourage cost management professionals in countries where no formal association or organisation exists to join together to form a group with objectives compatible with those of ICEC and its Members and Associate Members.
- Participate in international events related to the practice of cost management sponsored by governmental and private organisations, national or international, whether Members or Associate Members of ICEC or not, provided that these events are in keeping with the objectives of ICEC.
- Promote:
  - Individual or collective visits among individual members of ICEC Members and Associate Members.
  - Interchange of professors, lecturers, engineers, and students among universities, colleges, and Members and Associate Members.
- Organize:
  - Administrative relations among national and multi-national associations of cost management professionals.
  - Technical, economic, and social interchange among the Members and Associate Members, individually and collectively.
  - Technical contests and competitions among cost management professionals and students.
- Promote the study of cost management problems of worldwide or multi-national character.
- Collaborate with the United Nations and other international and regional agencies in the formulation and implementation of policies affecting project and asset development, execution, operation, and retirement, with respect to cost management, quantity surveying, and project management, at policy, strategy, and implementation levels of economic and social development programs.

Section 4: ICEC may be dissolved only by unanimous resolution taken by the Delegates present at any regular meeting of the Council or at an extraordinary meeting summoned by two-thirds of the Members for that purpose. Such a resolution shall be submitted to the Members for confirmation in accord with the Bylaws. In case of dissolution, the assets of ICEC, real and monetary, shall be disposed of in the manner provided for in the Bylaws.
Section 5: For the purposes of this Article, the functions of cost engineering, quantity surveying, and project management, hereinafter collectively referred to as cost management, encompass:

a. Providing of independent, objective, accurate, and reliable capital, operating, and retirement assessments of assets, usable for investment, planning, funding, project control, and operating decisions
b. Analyzing investment and development for the guidance of owners, contractors, end-users, and other stakeholders
c. With respect to cost management matters, setting project objectives in line with the purpose(s) set up by general management and managing the resources necessary to meet the objectives.

Article II – Composition

Section 1: A Member of ICEC is a non-profit national or multi-national cost engineering, quantity surveying or project management association, or organisation, which has as its primary objective the advancement of the science and art of cost management as defined in Article I, Section 5, of this Constitution. Any such association may become a full ICEC Member as provided for in the Bylaws.

An Associate Member of ICEC is a non-profit national or multi-national association which is interested in the objectives of ICEC and which has fewer than 100 individual members and which has requested Associate Membership. Any such association which does not desire to be a full ICEC Member, or which does not otherwise qualify as a Member, may become an Associate Member as provided for in the Bylaws.

In the event that any current Member or Associate Member has any objection to the membership of any current Member or Associate Member, or new application for membership, the issue shall be dealt with as provided for in the Bylaws.

Section 2: The Council shall be divided into geographic regions. The number of regions and the boundaries of the regions shall be determined by vote of the full Council.

Section 3: The Founding Members of ICEC are: the American Association of Cost Engineers [now AACE International](AACE); the Association of Cost Engineers, Limited (ACostE); the Sociedad Mexicana de Ingenieria Economica y de Costos [now the Sociedad Mexicana de Ingenieria Economica Financiera y de Costos] (The Mexican Society of Engineering Economics, Financing and Costing) (SMIEFC); and the Dutch Association of Cost Engineers (DACE), [formerly known as WEBCI].

Section 4: Each Member of the Council shall have one vote which shall be vested in a Delegate named by the Member association or organisation. Each Associate Member of the Council shall name a representative to meetings of the Council. Representatives shall have voice, but not vote, in Council discussions.

Section 5: Regular meetings of the Council shall be held on the occasion of International Congresses and at such other times and places as sanctioned by a majority vote of the Delegates at a prior regular meeting of the Council.

Extraordinary meetings of the Council may be held as prescribed in the Bylaws. No actions may be taken at such extraordinary meetings other than those directly relating to the subject(s) or purpose(s) for which the extraordinary meeting was called.

Section 6: Informal meetings of the Council may be held upon the call of the Chair and/or Secretary for the sole purpose of coordinating committee activities and planning of International Congresses and Symposia. No actions taken at such informal meetings shall be binding upon the Council until duly ratified by a majority of the Delegates present at a subsequent regular meeting of the Council.

Section 7: Decisions of the Council shall not be binding upon Members or Associate Members of ICEC until ratified in accord with the Bylaws.
Section 8: Officers of the Council shall consist of:

a. The Chair who shall be the presiding officer of the Council.
b. A Senior Vice Chair who shall preside at all meetings of the Council in the absence of the Chair.
   i. In the event of incapacity or resignation of the Chair, the Senior Vice Chair shall assume the office of Chair for the unexpired portion of the Chair's term of office.
c. Two Administrative Vice Chairs.
d. A Technical Vice Chair.
e. The immediate Past Chair.
f. A Secretary-General who shall also act as Treasurer of the Council.
g. The appointed Regional Director for each Region of the Council. These positions may be held by elected officers of the Council or by other persons appointed by the Chair.

To ensure widespread geographic representation among the Officers of the Council, the Chair, Senior Vice Chair, and Administrative Vice Chairs shall reside in different countries.

In the event of incapacity or resignation of any officer of the Council, other than the Chair or Past Chair, the Chair in consultation with the Member or Associate Member to which the resigning officer belongs/belonged shall appoint a replacement to assume said office until the next regular meeting of the Council.

Section 9: The Officers of the Council shall be elected by majority vote of the Delegates present at each regular meeting of the Council which is held in conjunction with an International Congress to serve until the conclusion of the next International Congress. Officers may be elected from the membership of any Member or Associate Member in accordance with the Bylaws and need not be a Delegate.

Section 10: The Chair may not be a Delegate to the Council. The Chair may vote only to break a tie vote of the Council. Officers who are not Delegates hold no vote on the Council. In the event that a Delegate is elected as Chair, the Member represented by that Delegate shall appoint a new Delegate to the Council.

Section 11: Upon approval of a majority of the Delegates present at any regular meeting, Observers to the Council may be named by any national or multi-national cost management association or organisation to represent nations not otherwise represented on the Council.

Section 12: Correspondents may be named to the Council by the Chair and/or Secretary-General to represent nations in which no formal or informal cost management association or organisation is headquartered.

Section 13: Representatives, Observers and Correspondents, as provided for in Sections 4, 10 and 11 of this article, shall have no vote in Council affairs.

Section 14: Membership of a Founding Member may be terminated only by written approval of the other Founding Members except where the Founding Member has been shown to have violated this Constitution. Termination of membership shall otherwise be as prescribed in the Bylaws.

Article III – Language

Section 1: The official language of the Council shall be English.

Section 2: International Congresses shall be held as prescribed in the Bylaws. The official written language of said Congresses' Proceedings shall be English.

Article IV – Amendments

Section 1: Amendments to this Constitution and the Bylaws may be proposed by any Member, through their duly appointed Delegate, at any regular or extraordinary meeting of the Council.

Section 2: Proposed amendments shall be distributed by the Secretary-General to all Members no less than 90 days prior to the meeting at which said amendments are to be presented to the Council.

Section 3: A three-fourths vote of the Delegates present at any duly called regular or extraordinary meeting shall be required prior to submittal of any amendments to the Members for approval.
Section 4: Amendments as approved in accord with Section 3 above shall take effect upon approval of four-fifths of the ruling bodies of the Members. Responses shall be made within 90 days and lack of a response shall be considered as acceptance of the proposal. At the end of the 90-day period, the Secretary-General shall tabulate the votes received and notify all Members of the resulting decision.

Article V - Records and Limitation

Section 1: A complete accounting shall be kept of all monies received and expended by the Council. These financial records shall undergo an independent audit every two years by persons or a company qualified to perform this audit. The results of the audit shall be reported to the Council, as soon as practical.

Section 2: No part of the earnings of ICEC shall benefit its Members, trustees, officers, or other private persons. ICEC may, however, make reasonable payment for services rendered for the purposes listed in Article I.

BYLAWS

Article I – Membership

Section 1: National or multi-national associations or organisations may be admitted as Members or Associate Members of the Council upon affirmative vote of two-thirds of the Delegates present at a regular meeting of the Council. Prior to admission to membership, said organisations shall submit to the Secretary-General:

a. A description of their objectives.

b. A copy of their Constitution or other governing document (with an English language translation thereof if English is not the primary language of the original document).

c. A description of their requirements of individual or corporate membership in their association or organisation, including a copy of their membership application form (with an English language translation thereof if English is not the primary language of the original application form).

d. A tabulation of the number of their individual and corporate members.

e. A description of the types of organisations for whom their individual members work.

f. Payment of the ICEC annual subscription fee for the year in which membership application is made.

g. A copy of their most recent annual financial status report.

h. A copy of any journal or other document published by them or in their name.

i. Copies of any letters of support from other Members and Associate Members.

Section 2: In the event that any Member, or Associate Member, wishes to challenge the status (or has any objection to the membership) of any current Member, or Associate Member, the challenging Member shall be invited to present their case, in writing, to both the ICEC Executive and the challenged Member with the intention of resolving the issue to their mutual satisfaction. The results of the discussion between the two Members shall be presented to the Executive.

In the event that an Association applies to become a Member, or an Associate Member, of ICEC and is headquartered in a country which is already represented by one, or more, Members the Secretary-General shall enquire of all Members in that country as to whether they have any objections to the application. Responses shall be made within 90 days and lack of response shall be considered as no objection.

In the event of an objection the applicant Association shall be informed and required to contact the objecting Member(s) with the intention of resolving the issue and then resubmitting their application.

In the event of an impasse both the applicant Association and the objecting Member(s) shall be required to present their cases, in writing, to the ICEC Executive. In both cases, after considering all the circumstances the Executive shall then make an appropriate recommendation to Council. Such a recommendation may, or may not, support the objection but in either case the Executive shall present its reasons to Council.
Section 3: Termination of membership on the Council shall be by:

a. Written resignation of the Member or Associate Member.
b. Failure of the Member or Associate Member to remit subscription fees for a period of two or more years, subject to approval of the Council under Section 2d.
c. Violation of the Constitution by the Member or Associate Member, subject to approval of the Council under Section 2d.
d. A three-fourths resolution of the Delegates present at a regular or extraordinary meeting of the Council that the Member or Associate Member no longer qualifies for membership.
e. Insolvency of the Member or Associate Member, resulting in dissolution of the organisation.

Section 4: Members and Associate Members shall acknowledge their membership in ICEC on their letterhead and shall use English as the official language for correspondence between Members and Associate Members.

Section 5: All Members and Associate Members will grant reciprocal association membership to individual members of other ICEC Members and Associate Members who may be temporarily visiting or working in another country.

Article II – Government

Section 1: The address of ICEC will be that of the Secretary-General of ICEC.

Section 2: The officers shall constitute the Executive Branch of ICEC and shall:

a. Guide the general policy of ICEC by recommendations to the Delegates, Members and Associate Members.
b. Supervise the work of ICEC committees, as established by majority vote of the Delegates present at any regular or extraordinary meeting of the Council.
c. Act in accord with resolutions and authorizations approved by a majority of the Delegates present at any regular or extraordinary meeting of the Council.
d. Give account of its works by written reports presented at each regular meeting of the Council.
e. Present at each regular meeting of the Council a report of all activities since the previous regular meeting.

Section 3: An ICEC Newsletter will be assembled and issued at least twice a year and distributed by the ICEC Secretary-General.

Section 4: In the interim between regular or extraordinary meetings of the Council, the Chair and/or Secretary-General may request a vote of the Members on matters brought to their attention which they feel cannot await a decision at the next regular or extraordinary meeting including the approval of any major variations to the operating plans and budgets approved by the Council. In such cases, the voting procedure shall be as follows:

a. Proposals from any Member, the Chair, or the Secretary-General shall be circulated by the Secretary-General to the Members.
b. Each Member must respond within 90 days expressing acceptance or objection to the proposal. Absence of a response shall be considered as acceptance of the proposal.
c. If no objections are received within 90 days, the proposal shall be accepted.
d. If any objections or exceptions are received, the Secretary-General shall send copies of all such responses to each Member with a ballot for voting on the proposal.
e. Responses shall be made within 90 days and lack of a response shall be considered as acceptance of the proposal. At the end of the 90-day period, the Secretary-General shall tabulate the votes received and notify all Members of the resulting decision.
f. All such interim decisions are subject to reconfirmation at the next regular Council meeting

Article III - Procedure for Nominating and Electing Officers

Section 1: A Nominating Committee will be established under the direction of the immediate Past Chair to recommend candidates for office. Membership on the Committee will consist of the immediate Past Chair, the present Chair, and optionally, other Past Chairs or officers no longer a candidate for office.
Section 2: The Nominating Committee shall submit to the Secretary-General and all Members, the names of one or more candidates for the elective offices at least 90 days before the next regular meeting of the Council.

Section 3: Additional nominations may be made by written petition of two or more Members. Such petitions must be received by the Secretary-General and all Members at least 30 days before the next regular Council meeting.

Article IV - Duties of Officers

Section 1: The Chair is the Chief Executive Officer of the International Cost Engineering Council. He/She shall:

- Preside over all business meetings of the Council
- Manage, together with the Executive Committee, the business of ICEC in accordance with the Constitution and Bylaws
- Provide strategic leadership of ICEC and take appropriate initiatives to ensure the Strategic Plan and bi-annual Action Plan are implemented
- Serve as Observer to the Advisory Board
- Serve as a member of the Nomination Committee

Section 2: The Senior Vice Chair is a member of the Executive Committee, and shall:

- Act on behalf of the Chair whenever the Chair is unable to perform his/her duties
- Administer the assets of ICEC according to approved policies, and give account of the balance sheets at each regular meeting of the Council
- At the full Council meeting, the current Senior Vice Chair (in cooperation with the Secretary / Treasurer and Chair) shall present an action plan and corresponding budget which must be approved by the Council
  - Review the action plan for the previous term, and revise to include the objectives for the upcoming term
  - Review the Constitution and Bylaws for any necessary changes
  - Review the Strategic Plan for any necessary changes
- Serve as Chair of the Membership Development Committee
  - Hold responsibility for initiating, developing, and maintaining relations with external organisations
  - Coordinate activities to stimulate formation of new cost management associations
  - Coordinate activities to encourage the growth of ICEC through new membership
- Serve as co-Chair of the Planning Committee

Section 3: One of the Administrative Vice Chairs as named by the Chair will act for the Senior Vice Chair whenever he/she is unable to perform his/her duties. Both Administrative Vice Chairs will chair or coordinate administrative committees as assigned by the Chair and will serve as members of the Planning Committee.

Section 4: The Vice Chair Administration (External Relations) is a member of the Executive Committee, and shall:

- Serve as Chair of the External Relations Committee, with the goals of:
  - Coordinate cooperation with other global and International Professional Bodies
  - Oversee development and implementation of the UN Strategy
- Serve as Vice Chair of the Membership Development Committee
Section 5: The Vice Chair Administration (Marketing) is a member of the Executive Committee, and shall:

- Serve as Chair of the Marketing Committee, with the goals of:
  - Be responsible for International Congresses and Marketing
  - Develop and implement the Council’s marketing strategy
  - Promote the image and recognition of professions represented by ICEC
  - Identify existing non-member Professional Organisations in the cost management profession, and encourage them to become Members or Associate Members of ICEC
- Serve as Vice Chair of the External Relations Committee

Section 6: The Technical Vice Chair is a member of the Executive Committee, and shall:

- Act on behalf of either of the Administrative Vice Chairs whenever he/she is unable to perform his/her duties
- Coordinate various technical committees
- Serve as a member of the Planning Committee
- Chair the Standards & Professional Development Committee, with the objective of:
  - Establishing technical goals
  - Promoting development and publication of international practices and standards
  - Promoting International comparative research and education programmes through a network of academicians and researchers
- Serve as Director of the Accreditation Committee
  - Oversee accreditation of member Certification programmes and establishment of new ones
- Serve as Vice Chair of the Marketing Committee

Section 7: The immediate Past Chair is a member of the Executive Committee, and shall:

- Chair the Nominations Committee
- Serve as co-Chair of the Planning Committee
- Carry out special assignments as requested by the Chair

Section 8: The Secretary-General is a member of the Executive Committee, and shall:

- Keep the Council minutes, and a current list of Members, Associate Members and Delegates
- Be responsible for all official correspondence of the Council
- Take charge of the dues and funds of the Council and shall disburse same upon authority of the Council
- Report at all meetings of Council, or more often as requested
- Oversee Administration, Networking and Member Services
- Be responsible for the management of the ICEC Secretariat, which includes:
  - Communications
  - Publication of the ICEC Roundup Newsletter
  - Website development
  - Finance and accounts
  - Liaison and coordination of Committees
- Serve as Director of the Academic Forum, with the goals of:
  - Establishing and coordinating the Academic Forum
  - Acting as liaison and promoting contacts with Academicians and Educational Institutions for exchange of research and educational information
  - Establishing a database for research and educational information
- Serve as Director of the Academic Forum, with the goals of:

Section 9: The ICEC Regional Executive shall be comprised of:

- Members of the ICEC Executive in the Region
- ICEC Ambassadors who are available in the Region
- Four Regional Directors, who shall:
  - Hold a meeting of all Delegates and Representatives from the Region not less frequently than once per year
    - Executive Officers of the Council are ex-officio members of such Regional meetings
Encourage and promote the holding of International Symposia, other objectives of ICEC and
decisions of the Council within the Region
- Keep the Chair and Secretary of the Council informed of all Regional activities
- Present at each regular meeting of the Council a report of all activities of the Region since
the previous regular meeting
- Serve as a member of the Membership Development Committee

- Four Deputy Regional Directors (External Relations), who shall serve as members of the External
  Relations Committee
- Four Deputy Regional Directors (Marketing), who shall serve as members of the Marketing
  Committee
- Four Deputy Regional Directors (Standards & Professional Development), who shall serve as
  members of the Standards & Professional Development Committee
- Four Deputy Region Directors (Academic Forum & Research), who shall serve as members of the
  Academic Forum & Research Committee
- Four Assistant Secretaries, who shall:
  - Assist the Secretary/Treasurer at the Regions
  - Assist the Region Executive in Region Communications & Administration, in cooperation
    with members of the ICEC Executive and ICEC Advisory Board in the Region

Article V – Meetings

Section 1: At regular and extraordinary meetings of the Council, voting shall be by show of hands unless
one or more Delegates request a written ballot. The number of Delegates present at a duly called meeting
shall constitute a quorum.

Section 2: Extraordinary meetings of the Council may be called by the Chair or any four Members upon
written request to the Secretary. Such extraordinary meetings shall be held at such time and place as shall
be named by the Chair no earlier than 90 days after written notification to the Members and Associate
Members.

Section 3: Except as otherwise noted above, all meetings of the Council shall be governed by the current
edition of "Robert's Rules of Order." In accord therewith, except as otherwise specified in the Constitution or
Bylaws and in "Robert's Rules of Order," all decisions of the Council shall be by majority vote of the
Delegates present at any duly called regular or extraordinary meeting. In the event of a tie vote the Chair's
vote shall be decisive.

Article VI - International Meetings

Section 1: International meetings will be of two types:

a. International Congresses, sponsored by one or more Members or Associate Members and endorsed
   by ICEC, and
b. International Symposia, sponsored by a Member or Associate Member, with the support and
   cooperation of ICEC.

Section 2: An International Congress will be endorsed by the International Cost Engineering Council and
without their approval the title "International Congress" shall not be used. In this capacity, the ICEC is acting
as the agent of its Members and Associate Members.

Section 3: The ICEC will determine the frequency and general location of International Congresses. In
principle, International Congresses will be held every two years. No Member or Associate Member may
sponsor two consecutive International Congresses.

Section 4: The formal proposal to hold an International Congress will be made by the sponsoring Member(s)
and Associate Member(s) to the Council.

Section 5: The sponsoring Member(s) and Associate Member(s) will be responsible for the financial
management of the meeting (whichever type). They will receive any profit and underwrite any loss that may
result. As a portion of the expenses for an ICEC endorsed international meeting, the sponsoring Member(s)
and Associate Member(s) shall include a fee per paid attendee to be paid to ICEC at the conclusion of the
meeting. The amount of the fee shall be established by the Council as provided for in Article VIII of these
Bylaws.
Section 6: Before the title of "International Congress" is granted to any proposed meeting, the sponsoring Member(s) and Associate Member(s) shall submit their formal proposal for the meeting to the ICEC. The proposal will specify the arrangements for the meeting covering:

a. Location.
b. Date and duration.
c. Structure of meeting; including subjects, number of papers, plans for ensuring international participation, and accommodation.
d. Associated technical activities.
e. A summary financial plan to demonstrate the financial viability, specifying the proposed break even point and the proportion of attendees expected to attend from the host country. The cost estimate will include the established fee to ICEC.
f. Arrangement for living accommodation and social programme for attendees.
g. Timetable for publicizing the Congress, obtaining papers and inviting people to attend.

A preliminary proposal should be submitted so that, whenever possible, approval in principle can be given four years before the date of the proposed Congress, and the firm proposal submitted so that approval to use the title "International Congress" can be given two years before the proposed date for the Congress.

Section 7: An event of this nature would normally be expected to last not less than three days.

Section 8: Before giving approval, the ICEC would normally expect to see a balanced technical programme covering both subjects of general interest that would appeal to a large number of cost management professionals, and a number of specialized topics that would appeal to experts in particular fields. Arrangements would be required so that papers could be presented in English and the language of the host country. Further translation facilities may be provided at the discretion of the sponsoring Member(s) and Associate Member(s).

Section 9: Arrangements would be specified in the proposal for approval for the accommodation of attendees and the related social programme of events. These must be such that they provide a good environment for the informal meeting and exchange of views of attendees and their families.

Section 10: The proposed timetable shall fully recognize the long lead time required to organize events of this complexity, especially the time required to communicate internationally and, if applicable, to effect translation of technical copy into English.

Section 11: A report on the conduct of each Congress including pertinent information and statistics on attendance and financial outcome shall be submitted to the Secretary within six months after the conclusion of the Congress.

Article VII - Regions

Section 1: For each Region established by the full Council, the Chair shall appoint a Regional Director, who shall be responsible for coordinating joint activities of Members and Associate Members located within the Region.

Section 2: The Regional Director shall:

a. Hold a meeting of all Delegates and Representatives from the Region not less frequently than annually. The officers of the Council are ex-officio members of such Regional meetings.
b. Encourage and promote the holding of International Symposia, other objectives of ICEC and decisions of the Council within the Region.
c. Keep the Chair and Secretary of the Council informed of all Regional activities.
d. Present at each regular meeting of the Council a report of all activities of the Region since the previous regular meeting.
Section 3: Regional meetings:

a. Shall develop their objectives and rules of procedure and adopt same, subject to the approval of the Council.
b. May discuss local issues that affect only the regional Members and Associate Members and general issues that affect the whole membership. Decisions can be taken on local issues; but on general issues recommendations shall be submitted to other Regions for further discussion and to the full Council for final approval.

Section 4: The Regional Director and Delegates shall have no power to commit the Council, and are responsible to their Member and Associate Member associations for their actions.

Article VIII – Duties of Directors, Boards, and Committees

Section 1: The Council may establish committees to facilitate the functioning of the Council.

Section 2: Administrative committees will be chaired by Council officers and Delegates as determined by the Bylaws or as appointed by the Chair. Other committee members will be appointed by the committee chair subject to any requirements established in these Bylaws.

Section 3: The Council may also establish technical committees to sponsor or coordinate studies among its Members and Associate Members. These studies should be of major importance and worldwide relevance. The committees may be permanent or temporary, depending on the nature of the study. The committees may be chaired by Council Officers, Delegates, and country representatives as appointed by the Chair. Participants from individual Members will be determined by that association.

Section 4: Administrative and technical committees shall develop their objectives and rules of procedure and adopt same, subject to the approval of the Council.

Section 5: Temporary ad hoc committees may be appointed and discharged at the discretion of the Council Chair.

Section 6: The ICEC Executive Committee is comprised of:

- ICEC Chair (Chair of the Executive Committee)
- Members of the ICEC Executive

Section 7: The Membership Development Committee is comprised of:

- Senior Vice Chair (Chair of the Committee)
- Vice Chair Administration - External Relations (Vice Chair of the Committee)
- Region Directors-Members

Section 8: The External Relations Committee is comprised of:

- Vice Chair Administration - External Relations (Chair of the Committee)
- Vice Chair Administration - Marketing (Vice Chair of the Committee)
- Deputy Region Directors (External Relations)

Section 9: The Marketing Committee is comprised of:

- Vice Chair Administration (Marketing ) (Chair of the Committee)
- Technical Chair (Vice Chair of the Committee)
- Deputy Region Directors Marketing

Section 10: The Standards and Professional Development Committee is comprised of:

- Technical Chair (Chair of the Committee)
- Secretary-General (Vice Chair of the Committee)
- Deputy Region Directors (Standards & Professional Development)
Section 11: The Academic Forum & Research Committee is comprised of:

- Secretary-General (Chair of the Committee)
- Deputy Directors (Academic Forum & Research)

Section 12: The Nomination Committee is comprised of:

- Immediate Past Chair (Chair of the Committee)
- Chair of ICEC
- Chair of the ICEC Advisory Board

Section 13: The Planning Committee is comprised of:

- Immediate Past Chair (co-Chair of the Committee)
- Senior Vice Chair (co-Chair of the Committee)
- Chair of ICEC
- Administrative Vice Chairs
- Technical Vice Chair
- Chair of the ICEC Advisory Board

Section 14: ICEC Ambassadors shall be Past Chairs of ICEC and Past Chairs of a) other global / international organisations in the cost engineering, quantity surveying, and project management professions, b) Associations / Institutes that are members of ICEC, or c) entities holding a Cooperative Agreement or Memorandum of Understanding with ICEC. ICEC Ambassadors shall:

- Act as Ambassadors of ICEC
- Promote sustainability issues of the cost management profession worldwide
- Promote the sustainability of ICEC

Section 15: The ICEC Advisory Board shall be selected by the Chair of the Advisory Board and the Executive, from those Ambassadors who are available to advise the ICEC Executive, as and when required, on matters such as policy and strategy. The Chair of the Advisory Board will be appointed by the ICEC members. The Advisory Board shall:

- Provide oversight of the governance and performance of ICEC and recommend reviews if necessary
- Provide one member to the Nomination Committee

Section 16: The Audit Committee shall be formed by the Chair of the Advisory Committee and two other Past Chairs, excluding the Immediate Past Chair. The Audit Committee shall:

- Arrange for the annual audit of the Council's accounts

Section 17: Additional members may be co-opted into all Committees except that of the Executive Committee; Nominations Committee; and ICEC Advisory Board. Co-opted members may include Past and Current Presidents and Executives of members associations who are able to bring their experience and influence into the work of ICEC so as to reflect ICEC Regional and Zonal representations.

Article IX – Financial

Section 1: Funds for operation of the Council may be obtained from dues of Members and Associate Members, income from International Congresses and Symposia, and other sources as appropriate.

Section 2: The schedules for dues and fees will be established by Council subject to approval by a two-thirds vote of the Members in accordance with Article II, Section 4.

Section 3: Annual dues shall be payable in advance on January 1 of each year, and the Secretary shall annually invoice each Member and Associate Member on or before such date.
Section 4: In the event that the Council shall be dissolved for any reason, its assets – physical and monetary - shall be disposed of as follows:

a. All just debts shall be paid from cash on hand; all other assets shall be sold if said cash is insufficient to pay all debts and claims.

b. Any remaining assets, for which there are not just claims or debts, shall be turned over, without any restrictions whatsoever, to the Member and Associate Member societies, in proportion to their annual dues at the time of the dissolution of the Council.

Article X – ICEC Secretariat and Regional Secretariats

Section 1: The ICEC Secretariat shall be the Office of the ICEC Secretary-General or as determined by the Council from time to time. The Secretariat is currently hosted by AIQS.

Section 2: The ICEC Administrator shall be per current arrangements and managed by the Secretary-General

Section 3: The Regional Secretariat shall be the Office of the Regional Director, or as determined by the Regional Executive Committee

Section 4: The Zonal Secretariat shall be the Office of the Deputy Regional Director, or as determined by the Regional Executive Committee

Article XI - Procedure for Amending the Bylaws

Section 1: The same procedures and requirements as given in Article IV of the Constitution shall apply to these Bylaws, except that a majority vote by all Members will be sufficient to approve changes in the Bylaws.

Section 2: The Council may number and renumber the various articles and sections of the Constitution and Bylaws to facilitate ready reference.

Article XII - Emblem and Seal

Section 1: The official emblem of the Council shall be of the shape and design as illustrated.

Section 2: The official seal of the Council shall be the same shape and design as the emblem but shall carry the words, “Founded 1976”.
Proposed ICEC Action Plan 2016-2018

1. **Develop written policies & procedures for ICEC**
   a. Write policies & procedures for production of the biannual World Congress
   b. Other administrative policies & procedures as required
   c. Team leader: Alexia Nalewaik
      i. Team members:

2. **Establish a baseline Body of Knowledge that includes both cost engineering and quantity surveying**
   b. Update global inventory of Professional Standards/Best Practices
   c. Create baseline ICEC BoK
   d. Use the ICEC baseline to map the Body of Knowledge against that of IPMA
   e. Team leader: F Sam Griggs and Andrej Kerin
      i. Team members:
      ii. IPMA team members: Klaus Pannenbaecker, Brane Semolic

3. **Develop action items for maximizing Memorandums of Understanding and Cooperative Agreements, with a focus on research**
   a. IPMA
   b. FIG
   c. RICS
   d. PAQS
   e. WFEO
   f. KL Pact
   g. Team leader: Angelo Valle
      i. Team members: Alexia Nalewaik

4. **Upgrade the ICEC website**
   a. Team leader: Peter Smith
      i. Team members: Alexia Nalewaik, ICEC Secretariat

5. **Maintain and grow ICEC membership**
   a. Identify existing organisations that are not ICEC members
      i. Three PAQS members
   b. Promote the formation of new member organisations in areas underserved by ICEC
   c. Focus on keeping existing members
      i. DVP (Germany), BSIJ (Japan)
   d. Team leader: Madhu Pillai
      i. Team members: Peter Smith
6. **Significantly increase marketing of ICEC**
   a. Identify corporate sponsors
   b. Enable ads in the published ICEC Roundup and the website
   c. Develop regional activities in conjunction with regional board meetings
   d. Develop more professional-looking promotional materials
   e. Team leader: TBD
      i. Team members: Alexia Nalewaik, Eugene Seah

7. **Develop a strategy for the participation of younger members in ICEC activities**
   a. Team leaders: Eugene Seah and Andrew Brady
      i. Team members: To be determined

8. **Update the online journal**
   a. Team leader: Peter Smith
      i. Team members: Alexia Nalewaik, ICEC Secretariat

9. **Improve the Bi-Annual Roundup Newsletter**
   a. Team leader: Peter Smith
      i. Team members: Alexia Nalewaik, ICEC Secretariat

10. **Integrate research and education programmes into ICEC activities**
    a. Identify network of academicians and researchers
    b. Identify support from universities
    c. Create a list of coursework providers
    b. Team leader: Peter Smith
    c. Team members: Gianluca di Castri, Dr. Paul Ho, Njeri Wachira Towey

11. **Coalition Member of International Construction Measurement Standard**
    a. Team leader: Alexia Nalewaik
    b. Team members: TT Cheung, Kwadwo Osei-Asante, Robert Pearl, Teoh Wooi Sin, HH Kwan, Murtala Oladapo, James Arrow, Ong See Lian

12. **Continue efforts toward development and implementation of United Nations Strategy**
    a. Includes Central Product Classification (CPC) with the Economic and Social Council (ECOSOC) and World Trade Organisation (WTO)
    b. Team leader: Murtala Oladapo, HH Kwan
    c. Team members: TT Cheung, Kwadwo Osei-Asante, Femi Onashile, Peter Cox, Ong See Lian
ITEM 14

Region Workshops –

Saturday 17 November 2018
Region Workshops

Discussion on planned ICEC Regional Workshops for Saturday November 208
ICEC
INTERNATIONAL COST ENGINEERING COUNCIL

ITEM 15
Memorandums of Cooperation (MOCs)
Memorandums of Cooperation (MOCs)

Updates on existing MOCs

a. AAQS
b. FIG Commission 10
c. IPMA
d. PAQS
e. RICS

Discussion on current and future MOCs
ITEM 16

International Construction Measurement Standards (ICMS)

Update
ABOUT ICMS

The International Construction Measurement Standards Coalition (ICMSC) is a growing group of more than 40 professional and not-for-profit organisations from around the world, working together to develop and implement international standards for benchmarking, measuring and reporting construction project cost.

Read & download the new ICMS Standard

At present, the way construction projects are reported and costed varies significantly from one market to the next. These differences make it difficult to compare projects around the world, increasing investment risk and impeding transparency.

Many of the organisations that today set standards and guidelines on how construction projects are measured came together at the International Monetary Fund (IMF) in Washington D.C. in 2015 to launch the ICMS Coalition.

The Coalition has developed and implement a common standard for construction measurement which enhances transparency, investor confidence and public trust in the sector.

Watch and discover more about ICMS
ITEM 17

ICEC Region Meetings Held During 2017 - 2018
ICEC Region Meetings Held During 2017 - 2018

2017

Region 1
4-5 July 2017 - Rio de Janeiro, Brazil. Held in conjunction with the national Brazil Cost Engineering Day & IBEC Meetings.

Region 2
17 November 2017 – London UK (Mott MacDonald Office, 10 Fleet Place, London)

Region 3
2 November 2017, Kampala, Uganda. Held in conjunction with the AAQS General Assembly & African Cost Congress from 2-3 November 2017

Region 4

2018

Region 1
Two Region 1 meetings:
North America - 8 February 2018, Indian Wells, California. Held in conjunction with the AACE 2018 Western Winter Workshop 8-11 February
South America - 6-7 August 2018, Sao Paulo, Brazil. Held in conjunction with the IBEC national Brazil Cost Engineering Day & IBEC International Meetings

Region 2
17 November 2018 – Sydney, Australia. A special Region 2 meeting will be held just after the ICEC Council Meeting in Sydney

Region 3
To be confirmed

Region 4
17 November 2018 – Sydney, Australia. This will be held as part of the PAQS 2018 Annual Board Meeting in Sydney
ICEC REGION 2 (EUROPE AND NEAR EAST) ANNUAL MEETING

The Association hosted the ICEC Region 2 (Europe and the Near East) Annual Meeting, on Friday 17th November, at 10 Fleet Place - the London offices of Mott MacDonald. We thank Mott MacDonald for their kind assistance in providing the venue and facilities.

Overall 23 Delegates attended, including T T Cheung (ICEC Chairman), Alexia Nalewaik (ICEC Immediate Past Chairman), and Peter Smith (ICEC Secretary General). Delegates represented member societies in Region 2 from France, Italy, The Netherlands, Slovenia and the UK. Other countries represented were Australia, Bolivia, Hong Kong, Kazakhstan and the USA. Alec Ray, as ICEC Region 2 Chairman, chaired the meeting and the Association was represented by our President Angela Pammenter, Alan Jones and Roger Batten. We were particularly pleased to welcome Ing. Maria Teresa Dolenz, Presidente Uniôn Panamericana de Asociaciones de Ingenieros (UPADI).

The ICEC Secretary General reported that the Australian Institute of Quantity Surveyors (AIQS), who have hosted the ICEC Secretariat at their headquarters in Sydney since 2004, are advertising for a new replacement ICEC Administration Manager following the departure of Lydia Dickenson, the current post-holder. The 10th ICEC World Congress and Council Meeting held in Rio de Janeiro, Brazil from 8th to 12th October 2016, hosted by the Instituto Brasileirio de Engenharia de Custos (IBEC) was an outstanding success and highlighted the tremendous work that IBEC are doing in developing the Cost Engineering Profession in the South/Central America region. As ICEC was founded in 1976 this Congress also celebrated ICEC’s 40th Anniversary. The paper details and other information about the Congress can be found on the Congress website at: www.icec2016.com

He gave an update on the ICEC 11th World Congress and Council Meeting which will be held jointly with the Pacific Association of Quantity Surveyors (PAQS) 22nd Congress in Sydney, Australia from 15th to 20th November 2018. The event is being hosted by the Australian Institute of Quantity Surveyors (AIQS) and will be held at the new International Convention Centre in Darling Harbour, Sydney. Further information about the draft meetings program can be obtained via the Congress website at: www.icecpaqs2028.com Future World Congresses are in Accra, Ghana in 2020, and possibly in the Netherlands in 2022.

ICEC continues to implement a range of projects and initiatives to help develop the project management profession on a global scale. Some examples are: ‘ICEC Glossary Project’ - a global multilingual glossary for Cost Engineering/Quantity Surveying/Project Management terms, ‘ICEC Global Standards Project’ - an inventory of global Best Practice and Standards for Project Cost Management that is available in the ICEC website at: www.icoste.org/category/resources , ‘ICEC Young Person Group Project’ - encouraging participation by students and young professionals, ‘ICEC International Cost Management Journal (ICMJ) - a peer reviewed online journal, ‘International Roundup Newsletter’ - published on-line twice a year in March and October.

In the afternoon there were three presentations:

‘ACostE Accreditation and CPD’, by Alan Jones. ACostE Tiered Accreditation is a flexible route to full professional accreditation.

‘International Construction Measurement Standard (ICMS)’ by Alan Muse of Royal Institution of Chartered Surveyors (RICS). The ICMS Coalition has developed the Standard which was launched at the Vancouver PAQS Congress in July 2017.
Inspiring Professional Excellence (IPE), by the IPE Group - Rhys Tyler from MottMacDonald and Philippa Rogers and Daniel Scadding from the MoD. IPE encompasses sharing information and knowledge, utilising an IPE network, growing both personal and professional development of your team, creation of a sense of engagement with developing professionals and improving the business performance of your team.

As well as the presentations a session was held to discuss ‘Cost Engineering in the Future’. Some of the main challenges and opportunities were identified as:

More co-operation, interaction and sharing knowledge with the other Project Management/Controls Societies, and other allied Societies.

How does the profession attract support and sponsorship from some of the world’s largest and fastest growing organisations, such as Apple, Google, Samsung, IBM etc.

How will Artificial intelligence (AI) affect our profession in the future.

The growth of Cost Engineering/Project Controls in China, India, South America and Africa.

At the close of the proceedings Bruce Watson, Past-President of the Association and, for many years, the ACostE Delegate to ICEC, was presented with a ‘Life Time Achievement Award’ for ‘significant contributions to ICEC and the development of the Global Cost Engineering Profession’. He was also presented with an ACostE Award for ‘Services to the Association’.

The next ICEC Region 2 (Europe and Near East) meeting is scheduled to be held at the ICEC 11th World Congress in Sydney in November 2018.

In the evening the association hosted a dinner at The Strand Palace Hotel for the attending delegates.
ICEC
INTERNATIONAL COST ENGINEERING COUNCIL

ITEM 18

ICEC Regional Meetings Planned for 2019 - 2020
Discussion on ICEC Region Meetings planned for:

2019
Region 1
Region 2
Region 3
Region 4

2020
Region 1
Region 2
Region 3
Region 4
ITEM 19

Kenneth Humphreys Paper Award for Young and Student Members
In 2008 ICEC initiated the Kenneth K. Humphreys Outstanding Paper Award in recognition of Dr. Humphreys' service as ICEC Secretary-General from 1976 until 2006. The award is given to students or young practitioners under 36 years of age. The awards are available for the three professional categories which make up the membership of ICEC - Cost Engineering, Quantity Surveying and Project Management.

One award may be given for each of these categories if there are papers deemed suitable for the award.

Only 1 paper was submitted by ICEC Member Associations. The paper was submitted by AACE International.

The Award Selection Committee determined that the paper submitted was of a very high standard and was a very worthy winner of the award.

The award winning paper was:

**Cost Engineering Category**

Author: Brandon Atkins, PE (United States)

Paper Title: The Behavior of Resource Critical Schedules

Submitted by: AACE International

This paper was presented as a technical paper at the 2018 AACE Annual Meeting and received very strong reviews at the meeting.
ITEM 20

ICEC Jan Korevaar Best Congress Paper Award
2018 Jan Korevaar Best ICEC Congress Paper Award

The Jan Korevaar Best ICEC Congress Paper Award was introduced at the 1992 ICEC World Congress to recognize the most outstanding paper presented at each ICEC World Congress. The award was created in memory of Jan Korevaar, Executive Director of the Dutch Association of Cost Engineers and the Assistant Secretary of ICEC for many years.

The AIQS Congress Paper Committee are currently preparing a shortlisting of the best 5 papers submitted based on paper reviewers.

The best paper will then be selected at the end of the Congress after the ICEC Best Paper Award Committee have reviewed both the shortlisted papers and presentations.

It is envisaged that this will be awarded at the Congress Closing Ceremony.
ITEM 21

ICEC 2018 Awards

a. Distinguished International Fellow (DIF) Awards (Nominations for DIF awards are to be presented for vote of official delegates)

b. Chair Award

c. Region Awards

(At the discretion of the Chair, this portion of the meeting may be closed to non-delegates and nominated award recipients)
ICEC Distinguished International Fellow (DIF) Nominations

The DIF award recognises individuals who have made significant contributions to ICEC and to the association or institute of which they are a member for a period of years. The recipients must be nominated to receive the award by an ICEC member association or institute. They must:

1. Have held a significant volunteer position in both ICEC and a member association or institute;

2. Have had significant involvement over a period of several years in both ICEC and a member association or institute; and

3. Must have made a significant contribution to the development of the cost management profession.

The following nominations have been received for the 2018 DIF Awards:

1. Julie Owen (United States – nominated by AACE International)
2. Guenzi Giancarlo (Italy – nominated by AICE)
3. Joseph Olusegun Ajanlekoko (Nigeria – nominated by NIQS)
4. Sr Ki Cheung, Tang (KC) (Hong Kong – nominated by HKIS)

The nomination letters can be found on the following pages. Each of these nominations shall be voted on at the Council meeting - a majority vote in favour of the nomination by eligible voting delegates is required for the Award to be conferred.

Previous recipients of the DIF Award can be found at:

http://www.icoste.org/awards/icetc-distinguished-international-fellow-dif-award/#more-316
Attention: ICEC Secretary General Peter Smith
Attention: ICEC Administrative Secretary

Transmitted by Email: peter.smith@uts.edu.au; secretariat@icoste.org

RE: ICEC DIF Nomination for Julie Owen, CCP, PSP, FAACE

AACE International puts forward Julie Owen CCP, PSP, FAACE for nomination of the ICEC Distinguished International Fellows Award. Julie clearly meets the requirements and is most deserving of the Award.

**Significant volunteer position in both ICEC and a member association**

**AACE International:** Julie has served on the Board of Directors as Director Region 6, VP of Regions, and President of AACE. She also was Chair of the Women in Project Controls Task Force, and served as president of the Southern California Section. She has supported multiple task forces and marketing positions, as well as a leader in the international representation in Regions 7, 8, 9, and 10.

Julie was also a leader in development of the Women in Project Controls Task Force, 2010 Leadership Task Force and a leader in sponsoring Regions 7, 8, 9, and 10, as well as a co author of constitutional amendment for development of international regions.

For her work with AACE International Julie has been awarded Fellows recognition.

**ICEC**

As you are aware she has been an executive Board member for a number of years

**Significant involvement over a period of several years in both ICEC and a member association**

It is considered that above also address this particular criterion. It should be noted that Julie as also been a representative of the Associations of ICEC and AACE in supporting development of the profession as a member to associations such as RICS, CMAA, IPMA, PMI, and Chinese Cost Engineers Association, Dutch Association of Cost Engineer.

**Significant contribution to the development of the cost management profession**

Julie is an original Fellow of Cost Management for the Guild of Project Controls
The following is a partial list of articles and presentations shows her contribution to the profession:

Initial AACE Developer and Certification Trainer of PSP

- Implementation of a PMO at Los Angeles Metro
- Panel Discussion: The Great Debate CPM Scheduling - Owners vs Contractors
- Panel Discussion: Capital Project Delivery - Innovation Collaboration Forum
- Planning and Scheduling Introduction to Russian Section AACE
- Enterprise Scheduling and Risk Management at Los Angeles Metro
- CIS Methodology for Integrated Project Controls Methodology
- Organizational Challenges Associated with business process re-engineering
- CIS Utilization of Earned Value Management for monitoring of production facilities

From the above it is evident Julie more than meets the requirements and is well deserving

Regards,

Stephen Revay, CCP, CFCC
Immediate Past President AACE International
21 August, 2017

Vice President - Administration
AACE International
1265 Suncrest Towne Center Drive
Morgantown, WV 26505

RE: NOMINATION SUPPORT FOR JULIE OWEN

The following letter is for the recommendation of Julie Owen for the achievement of a Fellow in AACE International.

I have known and worked with Julie for more than 15 years. She is a close professional and personal friend with a reputation and approach above reproach. Her contributions to the Industry are more than 20 years and she is a representative of Metro as a Project Controls Director and been with them for more than 10 years.

Julie has lead by example as a CCP and PSP, as well as Regional Director, VP Regions, and President for the association. Her example on international support of positions of boards and committees have had a great value to the association and the membership. When I was Chair of the Initial International Marketing Committee, on Education Board and the Chair of Eastern European Committees, as well as RD 9, Julie was one of my most active supporters. She supported my initiatives on the International TCM Conference coming to fruition as well as was a supporter of my Constitutional Amendment for creation of the International Regions.

Offices Held within AACE
• VP Regions
• Representative Member of ICEC
• President AACEI
• Region 6 Director

Overall to include Julie as a Fellow would truly represent our association as an International Association, as she has helped to make the international groups one of the strongest in the association, since she joined and sought to actively support the international development.

Regards

Sean T Regan, FAACE, CCP, CEP, EVP, MRICS
President

2028 Gayla Creek Dr
Little Elm, TX, 75068

TEL +183247645920
FAX: +18324227934
Milan, August 4th, 2018
Our Ref.: A0156/2018

Subject: AICE Proposal for Distinguished International Fellow Awards 2018

With reference to the Distinguished International Fellow Awards to be proposed to the next Full Council Meeting in November, 2018, the Italian Association for Total Cost Management AICE is pleased to submit to your attention the name of its fellow GIANCARLO GUENZI.

Giancarlo has been a very active member of the AICE since its beginning and, due to his activity has been promoted to the fellowship in the nineties. Besides his professional activity, either in Italy and abroad, he has been presenting papers to majority of our seminars in Italy as well as to several ICEC congresses: albeit he has not yet been directly active in any ICEC committee, we believe that he has all the requisites for being nominated for the DIF and then give lustre as well as increase the visibility of our profession.

Attached his summary CV as well as a selection of his papers.

Ready to give any further information you would require.

Best regards

Dott. Emanuele Banchi, DIF ICEC, EIE ICEC / A
Presidente AICE
CURRICULUM VITAE

Name : Giancarlo Guenzi
Nationality : Italian
Born : 1946

Key Qualifications:

Expert in industrial projects appraisal / evaluation and feasibility studies, design and analysis of electric power systems, and reliability/risk analysis. He has carried on his activities in Italy and abroad as projects director of works relevant to generation, transmission, distribution and automation, reliability and risk analysis, as Chief Engineer of technical departments, and as Resident Team Leader.

He has been included in the ONU-UNIDO roster as an expert on power transmission and generation

Education and Certification:

Dott. Ing. (MSc equivalent) in Electrical Engineering (Power Plants) Politecnico di Milano
Master of Science in Electrical Engineering (Power Systems Analysis) USP Universidade de São Paulo
Master of Science in Reliability Engineering University of Maryland
PhD (Doctor of Philosophy) in Reliability Engineering University of Maryland
Certified Cost Engineer AICE / ICEC Accredited

Affiliations

Italian Council of Engineers – Novara Chapter (Ordine Ingg. Prov. Novara) Professional Engineer,
Board of Directors 2005-9 Disciplinary Council 2013 -
IEEE (Institute of Electric and Electronic Engineers) Life Senior Member

Experience Record:

1990 to date: ENERGOCONSULT S.r.l., Milano and Novara:
Director and partner, responsible of all studies and projects

1986 to 1989: ELTRACO - Electric Trading Companies:
Technical Director.

1985: ELETTRA PROGETTI:
Senior Engineer in the Electrical Department.

1973 to 1985: ELC-ELECTROCONSULT:
Project Engineer. Project Manager and Resident Team Leader for power generation and distribution projects

1970 to 1973: SEM - Società Elettro Meccanica, Novara:
Project Engineer in charge of the project, tests and commissioning of HV substations and power generating stations
MAIN REFERENCES

1. MAIN PROJECT APPRAISAL / EVALUATION AND FEASIBILITY STUDIES

- ONU-UNIDO – Colombia - Power Generation and Transmission Industrial Development Plan
- Nigeria - Extra High Voltage Niger River Crossing – Feasibility Study
- More than 20 mini hydro plants – Feasibility Studies and Project Planning
- Okrika Jetty turbogas power plant (4 x 12.5 MW) – Nigeria – Feasibility Study and Project Planning
- Cyprus FPGP Power Station on barge – 3 x 45 MW GT + 1 x 110 MW ST – Feasibility Study and Project Planning
- ELETROSUL HV Transmission System - Brazil - System analysis to verify the impact of the new Jorge Lacerda IV thermal power plant.
  - Load forecast
  - Cost/benefit analysis
  - Investment benefit and effects on the tariffs
- Ujung Pandang – Indonesia: HV/MV/LV network distribution of South Sulawesi for the PLN Wilayah VIII.
  - Load forecast
  - Loss evaluation and reduction
  - Tariff calculation
- Okpai 33 kV distribution system
  - Feasibility study
  - Load forecast
- Kibungo - Rusumo (Rwanda) -33 kV System Feasibility Study
  - Load forecast
  - Feasibility Study
  - Basic Design
  - Cost/Benefit Analysis and electric tariffs calculation
- 110 kV and 33 kV Mobile Substations for Cameroun
  - 110 kV system load forecast, and impact of mobile substations
  - Mobile substations basic design
- Lagdo-Ngaoundere' 110 kV-230 kV Interconnection (Cameroun)
  - Load Forecast Analysis;
  - Feasibility Study
  - Basic Design and Cost/Benefit Analysis of the HV lines and HV S/Ss
- Project Management for the feasibility study of Addis Ababa HV/MV/LV transmission and distribution rehabilitation project; EELPA - Ethiopia was the Client.
  - Load forecast
  - Basic and Detailed Design of the new electrical lines and substations
  - Investment Plan
- More than 40 Investment Plans for Industrial Factories, for Interbanca

2. MAIN GENERATING PLANTS

- Cerro Prieto Geothermal Power Plant - (4 x 100 MW), CFE – Mexico (largest geothermal plant in the world)
- Jorge Lacerda III Thermal (Coal) Power Plant - (2 x 125 MW) - ELETROSUL Brazil
- Jorge Lacerda IV Thermal (Coal) Power Plant (1 x 330 MW) (Basic Design)- ELETROSUL Brazil
- CESP 2 x 20 MW Incineration Plant - Brazil
- Igarapé Thermal (Oil) Power Plant (1 x 125 MW) - Cemig - Brazil
- Ciudad de Obregon turbogas power plant (2 x 16 MW) - CFE Mexico
- Al Khobar Desaulting Plant turbogas power plant (2 x 7 MW) – Saudi Arabia
- Ras Abu Aboud turbogas power plant (2 x 16 MW) - Qatar
- Al Rusail turbogas power plant (3 x 100 MW) - Oman
• FIAT Cartiere Burgo combined cycle power plant (2 x 38 MW)
• Okrika Jetty turbogas power plant (4 x 12.5 MW) – Nigeria
• COLBUN (Chile) 1 x 400 MW Steam Power Station (Power Systems Studies: Protections, stability, short circuit & Load Flow, transient overvoltages, etc.)
• EDFR and BDEW – Stability studies for Solar – Caterpillar generating sets on French and German 20 kV and 66 kV systems
• EON Trapani (2 x 140 MW) Power Station – Technical feasibility of the connection to the HV grid

3. MAIN TRANSMISSION AND DISTRIBUTION PROJECTS

• SNE Congo 225/110 kV Network Analysis (whole National HV system) (for ENI)
  - Short circuit
  - Load forecast
  - Load flow
  - Reliability
  - Stability
  - Supervision of the 220 kV S/Ss and lines design, developed by ENI-SIPS
• SNE Congo 225/110 kV Network Analysis (for Genivar – Canada)
  - Short circuit
  - Load forecast
  - Load flow
• NEPA Nigeria 330 kV Network Analysis (whole National HV system) (for ENI)
  - Short circuit
  - Load forecast
  - Load flow
  - Stability
  - Reliability
  - Protections setting of the Okpai – Onitsha interconnection
• 330 kV Kwale – Onitsha Interconnection; Basic design, tender evaluation and project follow-up of:
  - Kwale 330 kV S/S
  - Onitsha 330 kV S/S
  - Kwale-Onitsha 330kV aerial line, including Niger river crossing (1600 – 800 m)
• Okpai 33 kV distribution system
  - Feasibility study
  - Load forecast
  - Short circuit
  - Load flow, loss evaluation and voltage profile
  - Tender documents
• Ujung Pandang – Indonesia: HV/MV/LV network distribution of South Sulawesi for the PLN Wilayah VIII.
  - Basic and Detailed Design of the new electrical HV and MV lines and substations
• USP - University of Sao Paulo - Development of a Software for Transmission and Distribution systems reliability by means of Montecarlo simulation.
• Piombino Steel Factory – Harmonic Analysis and Records in HV/MV Systems
• Solvay Rosignano – Harmonic Analysis and Records, and Filters Design in HV/MV Systems
• Engro Ammonia Power Plant for ENI
  - Load Flow, Short Circuit, Motor Starting, Protective Relays setting, LPS
• AlWAsit Hasbah and Arabyiah Offshore Platforms
  - Load Flow, Short Circuit, Motor Starting, Transient Stability and Electrical Transients
• ROM/BRN Algeria for ENI: 66 kV System design, Load Flow, Short Circuit, Motor Starting, Harmonic Analysis/Records and Filters Design
4. MAIN HV SUBSTATIONS

- Ferriere S. Anna 132 kV Substation
- SPAD Cassano Spinola 132 kV Substation
- 3M Caserta 66 kV Substation
- Cerro Prieto Geothermal Power Plant - CFE Mexico- 230 kV substation
- Jorge Lacerda IV Thermal Power Plant - ELETROSUL Brazil - 230 kV substation and its connection to HV grid (basic design)
- Igapó Thermal Power Plant - Cemig Brazil - 138 kV substation
- Ferrari Maranello 132 kV Substation
- Fiat Pratola Serra 150 kV Substation
- Fiat Melfi 150 kV Substation
- Agip S. Nazzaro Refinery 132 kV Substation
- EMIT S. Antonino Water Treatment Plant 132 kV Substation
- Bolzano FFSS (Italian Railways) 132 kV Substation
- Riga Siltum Imanta PP 115 KV plant Substation
- New Suez 220 kV Substation – Egypt
- 132 kV GNL Panigaglia - ENI

5. MAIN INDUSTRIAL DISTRIBUTION SYSTEMS

- Ciudad Madero, Vinylchloride Factory - PEMEX Mexico.
- Pajaritos Transportation of Solids FERTIMEX, Mexico
- Agip S. Nazzaro Refinery
- Sarpom (Exxon) oil pipelines
- Sarpom and Exxon Arluno Storage Plants
- Sharjah (Emirates) Desalting Plant
- Artemide - Pregnana
- Veam - Arluno
- Royalite - Vittuone
- Malayawata Steel Berhad Steel Mill (Malaysia)
- Azarbaycjian Steel Complex (Iran)
- Diproneca marble, asphalt and sand plants all over the island (Dominican Republic)
- Docalsa lime plant (Dominican Republic)
- Albacom – S. Donato
- OLOWI DEH Pipeline with MV supply applied to the pipeline (Follow-Up) – Gabon
- Saipem Romentino and Val d’Agri Oil Wells

Many of the above projects include power system analysis, as follows:
- Short circuit, Load flow and Protections selectivity
- Harmonic analysis
- Ground grid calculation
- Reliability

6. RAILROAD ELECTRIFICATION

- São Paulo Metro - Project Engineer for Line 1 D.C. Systems. Studies carried on: reliability, probabilistic safety criteria, economic analysis (costs, losses, tariffs, etc.)
- Railway of Iron - Brazil - Project Engineer in charge for HV/MV substations and main distribution system.
- ATM Rozzano - AC/DC Conversion Substation
7. **MORE RECENT RELIABILITY AND RISK ANALYSIS STUDIES**

- Canale Muzza 2 x 1 MW hydro power stations reliability analysis
- Milazzo Refinery HV S/S reliability evaluation
- Enichem Ravenna – HV S/S, MV distribution and Power Station reliability analysis
- Techint – Istituto Clinico Humanitas – MV system reliability analysis
- TUMA Turbomach – Risk Analysis of Combined Cycle Power Plants
- TUMA Turbomach – FMEA and Fault Tree Analysis of turbogas power stations
  - Carthago
  - AM Paper
- CARP/CARAP specifications and software development, for ETH Zurich
- **Italian High Speed Railways**
  - Telecommunication systems – RAM (Reliability, Availability and Maintainability) activities
  - LV Systems – RAM activities
  - Trolley – Supervision of RAM activities, performed by others
  - Monitoring systems – RAM activities
- Italian Railways – Tunnels intercommunication systems – Reliability evaluation
- Italian Railways – Train-Station intercommunication system – Reliability evaluation
- Italian Railways – Integrated telecommunication system (STSI) – West Coast and East Coast backbones – Reliability analysis
- Nigerian Okpai – Onitsha 330 kV Interconnection
- Bologna Airport monitoring system
- MCC2 Augier system for airports
- Swiss railways – Test equipment for telecommunication systems
- AEM Milan Utility – Reliability/economic evaluation for the Silla II Power Station Step-up transformers
- ERG – Novara Terminal – Risk Analysis for ATEX
- FIATENGINEERING – Altomonte Power Station – Risk Analysis for ATEX
- METRO Brescia – Astaldi/Gavazzi – RAMS analysis for all the CW systems (Ventilation, El. Distrib., Scada, Fire Fighting, Drainage, etc.)
- OCEM – Airfield lighting systems with Power LEDs
- OLOWI Pipeline – Supervision of HSE and Risk Analysis
- Metro Copenhagen - RAMS analysis for all the CW systems (Ventilation, El. Distrib., Scada, Fire Fighting, Drainage, etc.)
- Alpiq Novara Power Plant – Reliability Analysis of the El. Distrib. System; Risk Analysis of the Automatic Change-Over System
- Metro Milano – Fire Detection – RAMS Analysis for Meneghino and N12 (coop. with AM)
- **Italian Railways** – Fire Detection and Fighting – RAMS Analysis for Vivalto and ETR500 (coop. with AM)
PAPERS AND SEMINARS

Dr. G. Guenzi authorized / co-authorized the following papers, and presented the following seminars.

1. COST ENGINEERING

- The Phase of Analysis and Approval of Supplier Projects by the Client – Technical/Economical Aspects, typical of Supply of Technological Systems – Giornate AICE 1998 – Univ. Bocconi
- Project Accounting Problems in Technological Plants - Giornate AICE 1998 – Univ. Bocconi
- Economic Evaluations in Reliability Analysis of Repairable Systems - Univ. Bocconi – 1999
- Appraisal of High-Tech Industrial Assets – AACEI International Congress – Portland 2002 (this paper has been included in the AACEI Professional Practice Guide to Business and Program Planning)
- RAM Analysis in Concept Selection Design Phase, a Case Study: Integrated Gas Power Generation Project, MM2007 Roma
- Impact of Equipment and System Reliability on Project Economic Optimization – ICEC IX World Congress – 2014
- Optimization of the Investment of a Large System / Plant, as a Balance between Reliability, Cost and Incomes – ICEC X World Congress – 2016

2. RELIABILITY AND RISK ANALYSIS

- Canale Muzza Mini Hydro Power Stations - Generation Schemes Reliability - Convegno Nazionale “Dall’Acqua Energia Pulita” - 1992
- Performance/Dependability Evaluation of a HV/MV Load Center Substation – ETH Zurich - 1995
• Preliminary Techniques for Reliability Analysis of Repairable Systems - Univ. Bocconi - 1999
• Reliability Analysis of Repairable Systems - Case Studies with Stochastic Processes - Univ. Bocconi - 1999
• The Ring Scheme in Technological Plants - System Risk Analysis with Montecarlo Simulation - Univ. Bocconi - 2000
• Hazard Analysis of a Turbogenerator - Univ. Bocconi – 2000
• Thermoelectric Power Station Reliability Assessment – PMAPS 2002
• EHV Substations Reliability Improvement by means of Circuit Breakers Autodiagnostic – IEEE Powertech 2003 (Cooperation with ETH Zurich)
• Series and Derivative Lighting Systems- Reliability and Maintainability Comparison - AIDI - Impianti in Serie e Global Service nell’Illuminazione Pubblica - IEN Istituto Galileo Ferraris - 2005
• The Ring Structure in Power Systems – A Generalized Reliability Model – IEEE Energycon 2016 (Cooperation with Univ. of Maryland / UCLA Univ. of Califonian Los Angeles)

Seminars
• Stochastic Tools for Systems Reliability / Availability Analysis; Università Bocconi, 1999
• Risk Analysis – A global Approach ; Università Bocconi, 2000

3. GROUND GRIDS

• Ground Grids Safety Verification by means of Step And Touch Voltages Experimental Measures – IEEE Mexicon 82
• Ground Grids Design by means of IEEE Std 80 Method, Duly Adapted to Step and Touch Measurable Voltages - Convegno Nazionale “Dall’Acqua Energia Pulita” - 1992
• Grounding Network Study – ESSO (Exxon) Training, Symposia and Workshop, Electrical Symposium 1996
• Calculation Method for Studying the Current Field Generated by the Sub-Stations Grounding Grids – 8th IGTE Symposium – Graz, 1998
• Large Grounding Grids – State-of-Art, Case Histories and Proposed Design Criteria – Exxon Symposium 1999
• Tests on Low Voltage Grounding Systems – Exxon Symposium 1999
• Cathodic Protection Plants and Grounding Systems – Case Studies – Enichem – Seminario “Sistemi di Protezione Catodica e Problematiche di Predittiva Elettrica” – 1999
• Evaluation of the Contact-to-Ground Resistance of the Human Body – Comparison between Experimental Measures and FEM Calculation - 9th GTE Symposium – Graz, 2000

Seminars

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4. **POWER SYSTEMS**

- Cables Optimal Sizing in Power Stations and Industrial Plants – IEEE Mexico 1982

**Seminars**


5. **PHD DISSERTATION**


  Mentioned in the following books:
  - “Reliability Engineering, Theory and Practice” Birolini; Springer Verlag;
  - “Reliability Engineering” Kapur, Pecht; Wiley.

  and in several papers, visit Google, “Guenzi Reliability”
Dear Sir,

NOMINATION FOR 2018 ICEC DISTINGUISHED INTERNATIONAL FELLOW (DIF) AWARD

Your request for nomination of candidates for the 2018 DISTINGUISHED INTERNATIONAL FELLOW (DIF) awards refers.

I write on behalf of the President of The Nigerian Institute of Quantity Surveyors (NIQS) to inform you that we are nominating Mr JOSEPH OLUSEGUN AJANLEKOKO (PPNIQS; M.A.Cost.E, MAPM (UK); FNIM FICIArb;) as the Institute’s sole nominee for the ICEC Distinguished International Fellow (DIF) award, which will be presented at the 2018 ICEC world congress in Sydney, Australia from 18th -20th November, 2018.

The nomination is based on his most distinguished contributions to and exemplary leadership of many National and International bodies of Quantity Surveying such as the NIQS, AAQS, APBN and as the current President of the CASLE. Mr Ajanlekoko’s illustrious career has seen him making significant contribution to the development of the cost management profession amongst which is being a co–author of the 1st Construction Cost Information Book in Nigeria called “Construction Price Book” in 1992.

Mr Ajanlekoko has participated actively in ICEC programs both as a resource person, leading delegations to attend the 18th Congress in South Africa and volunteering to chair the Local organizing committee of the 2005 joint Triennial conference of ICEC Regional / AAQS/NIQS in Abuja, the only ICEC program to have held in Nigeria.

In recognition of his outstanding involvement over the years in both a member association and our Institute, Mr Ajanlekoko was invited to a reception at Buckingham Palace by her Majesty Queen Elizabeth for his contribution to the Commonwealth Profession in 1999 and also in 2015, by special invitation to a luncheon at St James Palace by the Queen as one of the Commonwealth Leaders of the Profession before CHOGM in Malta.
Consequently, we are strongly recommending him for this award which we believe he is very well qualified to receive. Please find attached his resume detailing his volunteer service in the different Institutions and professional bodies; the offices he held and the period/dates in which he served in the respective capacity are also listed for ease of reference.

Please accept the assurances of the Institute’s esteemed regards

Yours faithfully,

For: The Nigerian Institute of Quantity Surveyors

Adebowale Oyinleye, FNIQS
Secretary General
Mr. Joseph Olusegun Ajanlekoko is the Managing Partner of one of the foremost Cost Management and Quantity Surveying Consulting Firm ‘Construction Economists Partnership Ltd (CEP): His wealth of knowledge, skill and expertise have had profound impact in the Quantity Surveying world both in Nigeria and beyond.

A graduate of Willesden College of Technology, (now part of Westminster University), London, England, Ajanlekoko’s career began in the London office of E.C. Harris, established way back in 1911. On his return to Nigeria, he worked with Group “Q” Associates until 1986 when he left as an Associate to set up his own practice, which he had diligently nurtured to a frontline quantity surveying and project management company.

The success of the company is amply reflected in its national and international recognition under his leadership, and also in the scope of its services and clientele base. For instance, in 1996, Construction Economists Partnership was honoured with the Construction Award for Excellence in Quantity Surveying Consulting and shortly in 2001, it received the International Construction Millennium award by Trade Leader Club of Paris and the Editorial office based in Spain.

The Tinapa Project was adjourned the best Project in Africa in 2007, with a capital of 300million dollars.

**MEMBERSHIP:**

1. Fellow of the Nigerian Institute of Quantity Surveyors (NIQS).
2. Fellow of Society of Construction Industry Arbitrators (SCIARB).
3. Fellow of Nigerian Institute of Management (NIM).
4. Member, Association of Project Management of Great Britain (MAPM).
5. Member of National Association of Home Builders of United States (NAHB) and
6. Member of Association of Cost Engineers of United Kingdom.

**OFFICES HELD:**

1. Currently the President, Commonwealth Association of Surveying and Land Economy (CASLE) – 2015 - 2019
2. Past President of the Nigerian Institute of Quantity Surveyors (NIQS) 2002-2004- PPNIQS.
3. Past President of Africa Association of Quantity Surveyors AAQS (1st black), 2004-2007- PPAAQS.
4. Past President of Association of Professional Bodies of Nigeria, (APBN) 2010-2012- PPAPBN
5. Past President of St Finbarrs College Old Boys Association (SFCOBA) 1992-1997-PPSFCOBA
AS PRESIDENT OF NIQS

As the President of NIQS, he initiated and took strident steps that established his tenure as one of the most eventful in the history of the Nigerian Institute of Quantity Surveyors. His vigorous pursuit of the establishment of Construction Development Bank during his tenure stood him out among his peers. Even out of office, he remained resolute in its pursuit. His tenure saw to the production of the new Condition of Engagement and Consultancy Service Agreement for the NIQS; a new logo and corporate flag for the institute, and a new constitution which re-defined a new structuring for the institute. He also produced four public enlightenment pamphlets as a marketing tool for the institute and saw to the publication of a newsletter called QS Connect – which served as a veritable tool for networking amongst members. He successfully launched the Women Association of Quantity Surveyors (WAQSN), the women wing of the institute and in 2003 organised an international event in Abuja for the Commonwealth Association of Surveying and Land Economy. (CASLE)

In 2004, he led a delegation of NIQS members to CASLE conference in Danbury, Kent, England and also to the International Cost Engineering Council 18th Congress in South Africa where he presented a paper titled “Branding the Quantity Surveying Profession To Meet The Challenges Of the Built Environment” It was during Ajanlekoko’s dynamic leadership that the new Building and Engineering Standard Method of Measurement (BESMM2) for NIQS was produced and launched. He also ensured the creation of Quantity Surveying Division in the Federal Ministry of Works.

As a leader who believes in reaching out to other groups and bodies, during his tenure he embarked on visits to strategic institutions such as the Central Bank of Nigeria, Nigerian Stock Exchange, Securities and Exchange Commission, Abuja, Federal Ministry of Housing, Federal Ministry of Works, and Head of Service of the Federation, all with the sole purpose of marketing the Quantity Surveying profession.

Aside from leading his institute from 2002-2004, he had served the NIQS in various capacities as Editor-In-Chief, the Nigerian Quantity Surveyors, a journal of NIQS from 1988-1992; National Publicity Secretary, 1988-1992; National Treasurer, 1992-1996; Chairman Lagos Chapter of NIQS 1992-1997; and Board member of the Quantity Surveying registration Board of Nigeria (QSRBN), 1996-1998. Between 2000 and 2005, he serviced as the Treasurer, Africa Association of Quantity Surveyors (AAQS)

The other areas of Mr. Ajanlekoko’s contribution to the Construction Industry apart from kick starting the establishment of Construction Development Bank (Information), is the formation along with other professional colleagues the first Facility Management Company in partnership with WSP of South Africa, He also participated in the formation of a top of the market high quality paint in Nigeria under the name Capetex.

In recognition of his modest contribution to the growth of the built environment, Ajanlekoko was severally honored and listed both national and international publications. In 1996, he was listed among the top 100 construction industry professionals in Nigeria by Construction Digest Journal; in 2001 International Biographical Center Cambridge he was nominated as one of the 2000 outstanding intellectuals of the 20th century ; in 2001, the American Biographical Institute, USA, listed him among the 500 leaders of influence; and in 2005, the
Nigerian Tribune listed the versatile Ajanlekoko as one of the 100 outstanding Yoruba Eminent Citizens of Nigeria.

**AS AAQS PRESIDENT (2004 – 2007)**

Programmes executed:

1. Produced the 1st Construction Cost Information Book in Africa.
2. Commenced the rotation of meeting and conferences among Member Bodies.
3. Carried out Joint Workshops/Seminars with Member Bodies. Altogether in 6 African Countries during my tenure as a way of creating relevance in African Countries.
5. Set up a university degree assessment programme committee for assessing and benchmarking Quantity Surveying Education in member countries in Africa.
6. Creating relevance and existence of AAQS presence and importance including the role of QS in nation building among the leadership of the African Nations. Climax is the courtesy visit with the executive council members to President John Kufour of Ghana in 2007.
8. Introduction of corporate medallion as a marketing tool.
9. Published the 1st client /consultant professional services Agreement for use among member countries in Africa.

**AS PRESIDENT OF ASSOCIATION OF PROFESSIONAL BODIES OF NIGERIA (APBN) 2010 – 2012**

Programmes executed:

1. Organised a professional summit for all professionals on the sustainability.
2. Admitted 3 more professional bodies into the body.
3. Engaged in dispute resolutions for four professional bodies on delineation of duties and roles.
4. Led member bodies to government on involvement of professionals in governance.
5. Organised a national seminar of Good Corporate Governance and Elimination of Corruption in Public Service.
6. Instituted a quarterly newsletter for information, dissemination among members.
7. Created an NGO for promoting professionalism in Nigeria with a target base of N250million.
8. Amended the constitution to accommodate new structure.

**SERVICES TO INTERNATIONAL COST ENGINEERING COUNCIL (ICEC)**

1. I participated at the ICEC congress in Cape Town, and other ICEC activities that are linked with AAQS.
2. Served as Chairman of LOC of the 2005 joint Triennial conference of ICEC Regional / AAQS/NIQS in Abuja, Nigeria.
3. In 2004, he led a delegation of NIQS members to the International Cost Engineering Council 18th Congress in South Africa where he presented a paper titled “Branding the Quantity Surveying Profession to Meet the Challenges of the Built Environment”.

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AWARDS AND ACHIEVEMENTS

1. 1994 Men of Achievement Awards for his contribution to the construction industry and growth and development of Nigeria.

2. In 1996, CEP was honoured with the Construction Award for Excellence in Quantity Surveying Consulting.

3. 1996; listed among the top 100 construction industry professionals in Nigeria by Construction Digest Journal.

4. 1997 Award from NIQS-Lagos Chapter for his distinguished and selfless services to the chapter.

5. 1999; he was invited to a reception at Buckingham Palace by her Majesty Queen Elizabeth for his contribution to the Commonwealth Profession.


7. 2001, listed among the 500 leaders of influence by the American biographical institute, USA.


11. 2004, Dr Nkrumah Africa Leadership Awards by the West Africa International Magazine.

12. 2005, listed among the 100 outstanding Yoruba Eminent Citizens by the Nigerian Tribune.


14. 2008 Award of Excellence by Lagos Housing Fair.


17. In 2010, he was awarded a Honourary Doctorate Degree by the University of Belize

18. 2011, Award for excellence by Ijebu Professional Excellence Foundation.


21. 2015, Certificate of appreciation as a resource person by Ghana Institute of Surveyors.


23. 2015, Luncheon invitation to St James Palace by the Queen as one of the Commonwealth Leaders of the Profession before CHOGM in Malta.

24. An Award as “The Icon of Societal Transformation” – An outstanding leadership award by the National Association of Nigerian Students (NANS) in February 2016.

25. Merit Award by the AAQS in Acknowledgment of his distinguished service to the Quantity Surveying Profession in Africa in Kampala, in Uganda in November 2017.

Ajanlekoko is the corner stone recognized both at home and abroad, a prophet with honor both at home and abroad. From 1996 through 2009, he was each year nominated by the American Embassy in Nigeria to be part of Building Profession Trade Mission to Home Builders show in U.S;

MANAGEMENT COURSES ATTENDED
He has an insatiable appetite for knowledge which he satisfies through vast reading and attending courses such as the Construction Management Course for Senior Executives in Bangkok, Thailand, at Asian Institute of Technology in 1994;the Executive Management Course on Leadership in Project Management in Paris, 1998, among others.

HONORARY DOCTORATE AWARD
1. From University of Belize for contribution to the growth of professions in the Commonwealth in 2010.

MEMBER BOARD OF TRUSTEES
1. Green Building Council of Nigeria (GBCN)
2. Society of Construction Industry Arbitrators (SCIAB)
3. Association of Professional Bodies of Nigerian (APBN)
4. St. Finbarr's College Old Boys Association (SFCOBA)

**RESOURCE PERSON**
He is a highly resourceful person and has delivered numerous papers both locally and internationally well over 100. Among these are the following recent ones:-


2. "Project Management - Communication and Leadership" - A paper presented at a 2-day course on construction cost control and project management organised by the NIQS at Sheraton Hotel, Lagos in 1991.


11. The Role of A Construction Development Bank in a Reformed Economy – Being A Lecture Delivered at the 22nd Annual Olumide Memorial Lecture Organised by the Nigerian Institution of Surveyors (NIS) on the 21st October 2004 at Sheraton Hotel, Ikeja. (The first professional president to be invited to the forum).

12. Branding the quantity surveying profession to meet the challenges of built environment. A paper presented at the International Cost Engineering Council 18th ICEC Congress and the 4th World Congress held on the 17th-21st April 2004 at Cape Town, South Africa.

13. The Imperative of Formation of Consortium – Being a Key Note Address at the Workshop on formation and operations of consortia organised by the Association of Professional Bodies of Nigeria (APBN) on the 9th November 2004 at the Sheraton Hotel & Towers, Ikeja, Lagos.


22. “From Thermometer to Thermostat” – The Challenging Roles of the Quantity Surveyors in the 21st Century – An address presented at Tanzanian Institute of
Quantity Surveyors (TIQS) & Africa Association of Quantity Surveyors (AAQS) Conference in Dar-Es-salaam on Thursday 25th June 2009.


25. Construction Development Bank – A panacea for Affordable Housing and Infrastructure Development in Nigeria, at the 4th annual lecture of the School of Environmental Technology of Federal University of Technology Akure in November 2011.


Ajanlekoko, easily described as a quantity surveyor with special interest in building contracts, building economics and administration, has come a long way.

Mr. Joseph Olusegun Ajanlekoko was born into the family of the Pa. Sup. Evang. Samuel Olatunji Ajanlekoko - the Grand Patron and Doyen of Celestial Church (World Wide), and the first African Sales Manager of Nigerian Breweries Plc. He is married and blessed with four children (3 boys & 1 Girl)
5 October 2018

Dr Peter Smith
ICEC Secretary General
International Cost Engineering Council (ICEC)
ICEC Secretariat
Level 3, 70 Pitt Street, Sydney NSW 2000
Australia

By Email Only

Dear Dr Smith,

ICEC 2018 Distinguished International Fellow Award

The Hong Kong Institute of Surveyors (HKIS) is pleased to submit its nomination of Sr Ki Cheung, Tang for the ICEC 2018 Distinguished International Fellow Award.

Sr Ki Cheung, Tang (“KC”) is presently the Managing Director of K C Tang Consultants Ltd (Quantity Surveyors: Construction Cost and Contract Consultants) in Hong Kong. His contribution and his devotion of time to the profession are immeasurable. KC has been immensely involved in the improvement of the training qualifying system of graduate surveyors in Hong Kong; the drafting of various standard forms of contract in Hong Kong and mainland China; the promotion of BIM adoption and knowledge sharing in Hong Kong and internationally; and the drafting of the International Construction Measurement Standards.

KC is a dedicated Quantity Surveyor who in his forty years of practice has devoted substantially to the updating and improvement of quantity surveying practice. We consider KC as a suitable candidate for the award. Enclosed the citation for Sr Cheung which briefly summarises his dedication and contribution to the QS profession.

Thank you for your attention.

Yours sincerely,

Sr Dick Kwok
President

Enc
ICEC 2018 DISTINGUISHED INTERNATIONAL FELLOW AWARD

CITATION FOR

Sr Ki Cheung, Tang (FHKIS)

The Hong Kong Institute of Surveyors (HKIS) is pleased to submit its nomination of Sr Ki Cheung, Tang (FHKIS, RPS (QS)) for the Distinguished International Fellow Award of ICEC.

Sr Ki Cheung, Tang is presently the Managing Director of K C Tang Consultants Ltd. (Quantity Surveyor: Construction Cost and Contract Consultants) in Hong Kong. He has been immensely involved in the improvement of the training and qualifying system of graduate surveyors in Hong Kong, the drafting of various standard forms of contract in Hong Kong and China mainland, the development of the quantity surveying profession in China mainland, the promotion of BIM adoption and knowledge sharing in Hong Kong and internationally, and the drafting of the International Construction Measurement Standards. His contribution and his devotion of time to the profession are immeasurable.

KC has served the Quantity Surveying Divisional Council of the HKIS for 20 years. He initially handled the assessment of professional competence within the Division. He then joined as a member of the Board of Education of the HKIS (covering all Divisions) from 2003 to 2013 (Chairman from 2009 to 2010). Under his Chairmanship, the HKIS started in 2010 to offer sponsorship to write textbooks. He started in 2009 to push for the reform of Assessment of Professional Competence and Assessment of Technical Competence to rationalize the qualifying paths and times to become qualified surveyors. The reform was materialized in 2011. Both affected all Divisions. He revamped the QS Course Accreditation Manual in 2012. He represented the HKIS as a member of the Building and Civil Engineering Training Board of the Vocational Training Council from 2008 to 2014. He has devoted tremendous time and effort in nurturing the young quantity surveyors in Hong Kong. He shared his expertise and knowledge with the young via a lot of technical talks and seminars.

KC has contributed to the development of the quantity surveying profession in China. In mid 1980s, he translated and adapted the Hong Kong Standard Form of Building Contract from English to Chinese as a company standard. He also guided some cost engineers from Shanghai to work in Hong Kong in the late 1980s. He has explained to mainland clients and consultants and adopted the QS methodology on mainland projects. He has delivered technical speeches to mainland cost engineers. One occasion was to cost engineers seeking the HKIS membership through reciprocal recognition agreement with the China Engineering Cost Association (CECA). He has also been commissioned by CECA through the HKIS to translate the National Standard “Code of Pricing of Construction Works using Bills of Quantities” from Chinese into English. It was published in December 2015. In 2017, KC was awarded as one of the first ten fellow members of the CECA in recognition of his contribution to the professional development of CECA.

KC is also active in the Pacific Association of Quantity Surveyors (PAQS). He first participated in PAQS activities in 2007 and since then he has been the HKIS representative on the Accreditation and Education Committee from 2007 to 2013. During this period, the Competency Standard and the Accreditation Manual were updated, and, after years of deliberation, the PAQS Accreditation Scheme was agreed. Under this Scheme, a university programme accredited by PAQS will be automatically accredited by member institutions subscribing to the Scheme. He has moved to the Building Information Modelling Committee since 2014. He helped organize the 18th PAQS Congress 2014 (Hong Kong). He was awarded a Service Excellence Award by the PAQS in May 2016.

KC is also one of the pioneers in the utilization of BIM software in quantities taking off. He has ventured into the unchartered digital world of BIM with an objective of best utilizing it in quantity surveying practice. Since 2012, KC has been actively involved and taken the lead in exploring and studying the application of BIM techniques in quantity measurement and cost management.
of building construction projects. He has given a series of seminars on the subject in various member countries of Region 4 of ICEC. He was also the Chairman of the Organizing Committee of the first International QS BIM Conference 2013 in Hong Kong attended by over 260 participants and then another one in 2017 in Hong Kong attended by over 350 participants with overwhelming compliments and positive responses.

He has served as a member of the Standards Setting Committee of the International Construction Measurement Standards since September 2015. The first version of the Standards was released in July 2017. The second version covering Life Cycle Costs is in progress.

KC is a dedicated Quantity Surveyor who in his forty years of practice has devoted substantially to the updating and improvement of quantity surveying practice. HKIS is pleased to nominate Sr KC Tang for the ICEC Distinguished International Fellow Award 2018.
ICEC Chair & Region Awards

ICEC recognises significant contributions to the work of the Council at each biennial ICEC Congress with the presentation of ICEC Chair and Region Awards.

The region awards recipients are selected by the ICEC Chair upon the recommendation of the Director of each ICEC Region.

The Chair may present a special Chair's Award to other individuals who have made significant global contributions to ICEC during the Chair's term of office.

Further special regional awards may also be made for special regional contributions to the development of the Quantity Surveying/Cost Engineering/Project Management professions.

At the 2016 ICEC Council Meeting, the ICEC Executive decided that these reward recipients should be kept confidential and announced at the Congress Gala Dinner. This would add an element of anticipation for the award and would provide a nice surprise for the winners.

It has been decided to continue that for the 2018 Council Meeting and Congress.

Accordingly, the following awards will be presented at the Congress Gala Dinner on Monday 19 November 2018:

ICEC Chair Award

ICEC Region 1 Award

ICEC Region 2 Award

ICEC Region 3 Award

ICEC Region 4 Award
ITEM 22

Election of Officers for 2018 -2020
The ICEC Nominating Committee submits the following nominations for consideration for election to the ICEC Executive Board.

Each position on the ICEC Executive and Regional Boards requires a majority vote in favour of the nomination (from the eligible voting Delegates present at the Council meeting) for the nominee to be elected.

**Recommendations for the ICEC 2018-2020 Executive & Regional Boards:**

**Executive Board**

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Kwadwo Osei-Asante (Ghana)</td>
</tr>
<tr>
<td>Senior Vice-Chair</td>
<td>Gianluca di Castri (Italy)</td>
</tr>
<tr>
<td>Administrative Vice-Chair (1)</td>
<td>Aldo Mattos (Brazil)</td>
</tr>
<tr>
<td>Administrative Vice-Chair (2)</td>
<td>Eugene Seah (Singapore)</td>
</tr>
<tr>
<td>Technical Vice Chair</td>
<td>Angelo do Valle (Brazil)</td>
</tr>
<tr>
<td>Secretary-General</td>
<td>Peter Smith (Australia)</td>
</tr>
<tr>
<td>Advisory Board Chair</td>
<td>Roger Batten (United Kingdom)</td>
</tr>
<tr>
<td>Immediate Past-Chair</td>
<td>TT Cheung (Hong Kong)</td>
</tr>
<tr>
<td>Research Director</td>
<td>Alexia Nalewaik (USA)</td>
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**Regional Board**

<table>
<thead>
<tr>
<th>Region</th>
<th>Director</th>
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<tbody>
<tr>
<td>1</td>
<td>Paulo Dias (Brazil)</td>
</tr>
<tr>
<td>2</td>
<td>Alec Ray (United Kingdom)</td>
</tr>
<tr>
<td>3</td>
<td>Kofi Obeng Ayirebi (Ghana)</td>
</tr>
<tr>
<td>4</td>
<td>Keith Yim (Hong Kong)</td>
</tr>
</tbody>
</table>

**Recommendations for the ICEC 2018-2020 ICEC Ambassadors:**

**ICEC Ambassadors**

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>TT Cheung</td>
<td>ICEC Chair 2016-18</td>
</tr>
<tr>
<td>Alexia Nalewaik</td>
<td>ICEC Chair 2014-16</td>
</tr>
<tr>
<td>Carsten Wredstrøm</td>
<td>ICEC Chair 2012-2014</td>
</tr>
<tr>
<td>Murtala Oladapo</td>
<td>ICEC Chair 2010-12</td>
</tr>
<tr>
<td>Peter Cox</td>
<td>ICEC Chair 2008-10</td>
</tr>
<tr>
<td>Ginette Basak</td>
<td>ICEC Chair 2006-08</td>
</tr>
<tr>
<td>Basie Verster</td>
<td>ICEC Chair 2004-06</td>
</tr>
<tr>
<td>Dennis Lenard</td>
<td>ICEC Chair 2000-02</td>
</tr>
<tr>
<td>Allen Hamilton</td>
<td>ICEC Chair 1998-2000</td>
</tr>
<tr>
<td>Christopher Walker</td>
<td>Inaugural ICEC Chair 1976-1980</td>
</tr>
<tr>
<td>Ong See Lian</td>
<td>RICS Global President 2011-12, PAQS Chair</td>
</tr>
<tr>
<td></td>
<td>2003-05, RISM President 2003-04</td>
</tr>
<tr>
<td>Adesh Jain</td>
<td>IPMA Chair 2007-08, ICPMA President 2008-09, PMA-India Hon National President</td>
</tr>
</tbody>
</table>
Election of Other ICEC Officers for 2018-20

**Special ICEC Directors**

The special ICEC Director positions will be discussed and/or nominated after resolutions made earlier in the following Agenda Items

10.i. ICEC Regional Structure - Discussion on current ICEC regional structure & possible new regions (Middle East, Eastern Europe, South/Central/North America and Africa/North Africa)

10.j. ICEC Officer Positions & Roles - Discussion on possible new/revised Director positions and discussion on ICEC positions and roles generally

**ICEC Region Deputy Directors**

The ICEC Region Deputy Director positions are co-opted ICEC officer position nominations that are proposed by the incoming Region Directors in consultation with the ICEC chair and member associations in the particular ICEC Region. They are subject to confirmation by the new ICEC Chair for 2018-20.

The current Deputy Director Positions during the 2016-18 term are:

- **External Relations**
  - **Region 1** - José Chacon de Assis (Brazil) (in memoriam)
  - **Region 2** - Alan Barltrop (United Kingdom)
  - **Region 3** - Michael Olayema Shonubi (Nigeria)
  - **Region 4** - Julie Cruz (The Philippines)

- **Marketing**
  - **Region 1** - Aldo Mattos (Brazil)
  - **Region 2** - Sean Regan (Europe)
  - **Region 3** - Jeffery Aful (Ghana)
  - **Region 4** - Keith Yim (Hong Kong)

- **Standards/Professional Development**
  - **Region 1** - José Calix (Honduras)
  - **Region 2** - Robert de Vries (The Netherlands)
  - **Region 3** - Dr Charles Mbelede (Nigeria)
  - **Region 4** - Goh Ngan Hong (Singapore)

- **Academic Forums/Research**
  - **Region 1** - Diana Bula (Colombia)
  - **Region 2** - Robert de Vries (The Netherlands)
  - **Region 3** - Njeri Wachira Towey (Kenya)
  - **Region 4** - Professor Anthony Mills (Australia)

- **ICEC Region Assistant Secretaries**
  - **Region 1** - Heitor Luz (Brazil)
  - **Region 2** - To Be Advised
  - **Region 3** - Osei Agyemang Badu (Ghana)
  - **Region 4** - Zhang Xingwang (China)

It is anticipated that most of these officers will continue in their role but these positions will be discussed at the council meeting and scope given for other nominations with the objective of finalizing the positions in early 2019.
ITEM 23

Presentation of Budget and Subscription Fees for 2018 -2020
2018-2020 Subscription Fees

Introduction

ICEC membership fees have remained the same since April 2004.

Whilst there is a need to increase fees for the 2018-2020 term to counter the effects of inflation and to also provide greater scope for ICEC to enhance the level and quality of services to member association, this needs to be balanced against the capacity of member associations to pay increased fees particularly given the contemporary issues facing most ICEC member associations.

Proposal

Therefore it is proposed that there be no change to the ICEC Subscription and Fee Structure for the 2018-20 term.

Accordingly, the proposed ICEC Subscription and Fee Structure for 2018-20 (in A$) is as follows:

<table>
<thead>
<tr>
<th>Annual Membership Fees (Full Members)</th>
<th>A$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fee per individual member</td>
<td>0.65</td>
</tr>
<tr>
<td>Fee per organisational member</td>
<td>16.00</td>
</tr>
<tr>
<td>Minimum annual fee</td>
<td>425.00</td>
</tr>
<tr>
<td>Maximum annual fee</td>
<td>10,700.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Annual Membership Fees (Associate Members)</th>
<th>A$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fee per individual member</td>
<td>2.00</td>
</tr>
<tr>
<td>Fee per organisational member</td>
<td>20.00</td>
</tr>
<tr>
<td>Minimum annual fee</td>
<td>100.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>International World Congress &amp; Forum Fees</th>
<th>A$</th>
</tr>
</thead>
<tbody>
<tr>
<td>International World Congress - Fee per delegate</td>
<td>55.00</td>
</tr>
<tr>
<td>(Note – No maximum fee for International World Congress)</td>
<td></td>
</tr>
<tr>
<td>ICEC Endorsed Forums - Fee per paid delegate</td>
<td>20.00</td>
</tr>
<tr>
<td>ICEC Endorsed Forums - Maximum forum fee</td>
<td>5,700.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Annual Certification/CPD Program Fees</th>
<th>A$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fee per certified individual</td>
<td>2.85</td>
</tr>
<tr>
<td>Maximum certification fee</td>
<td>2,500.00</td>
</tr>
</tbody>
</table>
The proposed ICEC Budget for 2018-20 will be distributed at the Council Meeting
ITEM 24

Any other business
ITEM 25

Next full Council Meeting
Closing Remarks by the New ICEC Chair
ITEM 27

Adjournment