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ICEC Executive 2018–2020

Kwadwo Osei-Asante
ICEC Chair
Ghana

Gianluca di Castri
ICEC Senior Vice Chair
Italy

Dr Peter Smith
ICEC Secretary-General
Australia

Aldo Mattos
ICEC Admin.Vice-Chair
Brazil

Eugene Seah
ICEC Admin.Vice-Chair
Singapore

Angelo Valle
ICEC Tech Vice Chair
Brazil

TT Cheung
Immediate Past ICEC Chair
Hong Kong
ICEC Directors
Research Director – Alexia Nalewaik (USA)
Middle East Director – Madhu Pillai (Saudi Arabia)

ICEC Region Directors
Region 1 – Paulo Dias (Brazil) Region
Region 2 – Alec Ray (UK) Region
Region 3 – Kofi Obeng Ayirebi (Ghana) Region
Region 4 – Keith Yim (Hong Kong)

ICEC Region Deputy Directors
External Relations
Region 1: To Be Advised
Region 2: Alan Barthrop (United Kingdom)
Region 3: Michael Olayema Shonubi (Nigeria)
Region 4: Julie Cruz (The Philippines)

Marketing
Region 1: To Be Advised
Region 2: Sean Regan (Europe/USA)
Region 3: Jeffery Aful (Ghana)
Region 4: To Be Advised

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)

ICEC Advisory Board
Roger Batten Advisory Board Chair (ICEC Chair 1996 – 1998)

ICEC Ambassadors
TT Cheung ICEC Chair 2016-18
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
Roger Batten ICEC Chair 1996-98
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 Nat
ICEC Chair
Mr. Kwadwo Osei-Asante

Acceptance Speech by Kwadwo Osei-Asante, Chair-Elect, at the 41st Council Meeting of International Cost Engineering Council (ICEC) held at the International Convention Centre, Darling Harbour, Sydney-

ICEC Chair, Past Chairs, Members of the ICEC Board, out-going Members of the Executive Committee, Directors of Regions, Distinguished Guests, Ladies and Gentlemen.

I must thank you all for the confidence reposed in me and I assure you on behalf of all the elected Officers of the in-coming Executive Committee that we shall carry on with the business of this global organization and move it to the next level.

In thanking members of this Council for the mandate given us, elected officers must be prepared to work for the ICEC – though sacrificial, time consuming and energy sapping, I can assure you that such can be rewarding in terms of professional development and social standing.

Ladies and gentlemen, there is bound to be a shift in the implementation strategies of policies of the ICEC and your support will be called upon at all times. Leadership is not about being the best. It is about bringing out the best in others to achieve the desired results.

ICEC Chair, I must confess that there are many things I picked from you during the Session which is about to end – Consultation and Consensus building. TT, I thank you most graciously for the leadership traits and your excellent demeanor at all times. God richly bless you.

The journey to this high office of Global Chair of ICEC started in 1999 when after the admission of the Ghana Institution of Surveyors (GhIS), I was elected by my peers to represent the GhIS. It was at Sun City in South Africa and I remember my early and many engagements and close relationship and collaboration with Dr. Kenneth Humphreys and Murtala Oladapo, which I will continue to cherish.

Then entered Dr. Peter Smith, who came in to deepen the whole process of relationships in our great organization. I am very grateful Sir. I am also grateful to the Electoral College led by Alexia and to my colleagues from Ghana and indeed all the Delegates from Africa, I must thank you for your support as always. And the Australian Institute of Quantity Surveyors (AIQS) and the Pacific Association of Quantity Surveyors which facilitated the Council Meeting and Congress with the ICEC.

It is said that the greatest attitude is gratitude and therefore with you all, it makes sense of our past, brings peace for today and creates a vision for the future of ICEC.
My Agenda for the 2018/2020 Session shall largely be a continuation of the policies and practices of my predecessors as clearly set out in our Constitution and Byelaws, the ICEC Governance Structure and Strategic Plan.

Growth of the ICEC is dependent on the Youth and the Youth Policy will be pursued vigorously and initiatives made by my predecessor will be deepened. We will need to upgrade their employability and the competitiveness of our members to be more responsive to public and private duty and to open up the ICEC to other related and allied areas of Engineering, Project, Construction and Environmental Management to reflect the changing times and competitive global issues and enhance networking amongst them.

We intend to take part fully in the shaping up of the International Construction Measurement Standards (ICMS) and discuss and update the existing Memoranda of Co-operations (MOCs) with the Africa Association of Quantity Surveyors (AAQS), the International Federation of Surveyors (FIG) and its Commission 10, the International Project Management Association (IPMA), the Pacific Association of Quantity Surveyors (PAQS) and the Royal Institution of Chartered Surveyors (RICS).

We shall deepen further our international relationship with other professional societies including promoting regional and continental integration.

The management of the ICEC will be underpinned by the modernization of its structures and systems with the desired infrastructure and technology, by emphasizing a culture of excellence, instilling a greater sense of integrity, confidence and pride in all members. Our Operations are already digital and our Website will be constantly upgraded and modernized.

I wish to acknowledge the presence of some of our eminent Past Chairs, Chris Walker, the Inaugural ICEC Chair 1976-1980, Allen Hamilton, ICEC Chair 1998-2000, who had earlier sent me a congratulatory message and Dennis Lenard, ICEC Chair 2000-02.

On behalf of the organizers AIQS and ICEC-PAQS, I wish to thank our generous Sponsors for their support at all times.

In conclusion, I note that no matter how low anyone takes the organization, today’s mistakes cannot keep us from trying again tomorrow. We shall work with set objectives, priorities, clear programme standards and deadlines and fly high with our feet firmly on the ground.

We have God, we have talents, we have wisdom and we have opportunity. Let us not fail our members.

Finally, I humbly invite you all to join us in Accra, Ghana, the centre of the world for the 42nd Council Meeting and ICEC-AAQS Congress in October, 2020.

Kwadwo Osei-Asante, DIF
ICEC Chair-Elect
16th November, 2018
Welcome to the June 2019 ICEC International Roundup Newsletter.

I would like to encourage all member associations and their individual members to contribute articles and other relevant information for each newsletter. It provides a good opportunity to promote congresses, seminars, forums, projects and other activities of your association.

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 is Kristy-Lee Gardiner. This position forms part of the Secretariat with the manager employed by the AIQS with dual roles as the Executive Assistant to the AIQS CEO and the ICEC Administration Manager.

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 in November 2018. The target of the organising team was 400 delegate registrations and this was exceeded to the point that the ‘full house’ sign went up many weeks before the start of the congress.

2020 12TH ICEC WORLD CONGRESS – ACCRA, GHANA
The Ghana Institution of Surveyors (GhIS) has been awarded the hosting rights for the 2020 12th ICEC World Congress. The congress will be held in Accra, Ghana from 15-17 October 2020. Further details can be found on the congress website at:

www.icecaaqs2020.com
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), the 2018 Congress was 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) put forward an application to host the 2022 Congress in The Netherlands at the 2018 ICEC Council Meeting. This was approved. DACE will provide details on the date and venue in due course.

ICEC RISING PROFESSIONALS GROUP

The ICEC ‘Rising Professionals’ Group was formally established at the 2018 ICEC Council Meeting in Sydney, Australia.

The development of this group was led by Immediate Past ICEC Chair, TT Cheung. After many years of research and global networking it was very pleasing to see this new group established in Sydney.

The inaugural Chair of the ICEC Rising Professionals Group is Aaron Wong from Brunei. Aaron is leading many exciting initiatives for this group and we look forward to working with this group.

NEW ICEC MEMBER ASSOCIATIONS

ICEC approved the following ICEC Membership applications in 2018:

- Institution of Surveyors Uganda (ISU) (www.surveyorsofuganda.org)
- Pertubuhan Ukur Jurutera Dan Arkitek Puja (Brunei) Surveyor Division (http://www.puja-brunei.org/)
- Indonesian Association of Quantity Surveyors (IQSI) (https://iqsi.org/)

A membership application has recently been received by the Iranian Association for Cost Engineering (IRACE) and this application is currently being voted on by member associations.

Another application from a Russian cost engineering association is expected shortly.
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 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/.

Events planned for 2019 include:

21-24 March, 2019 – AACE Western Wintern Workshop & ICEC Region 1 (North America) Meeting, Lake Tahoe, USA.
13-14 May, 2019 – RICS World Built Environment Forum Summit, New York, USA.
9-13 July, 2019 – AACE (India Section) International Cost Management & Project Controls Conference, Indian Institute of Technology (IIT), Delhi, India.
ICEC OFFICERS: 2018-20

The following ICEC Executive Officers were elected at the 2018 ICEC Council Meeting for the 2018-20 term:

**ICEC Executive Board**

**ICEC Chair**  Kwadwo Osei-Asante (Ghana)
**Senior Vice-Chair**  Gianluca di Castri (Italy)
**Administrative Vice-Chair**  Aldo Mattos (Brazil)
**Administrative Vice-Chair**  Eugene Seah (Singapore)
**Technical Vice Chair**  Angelo do Valle (Brazil)
**Secretary-General**  Peter Smith (Australia)
**Advisory Board Chair**  Roger Batten (United Kingdom)
**Immediate Past ICEC Chair**  TT Cheung (Hong Kong)

**ICEC Region Directors**

**Region 1**  Paulo Dias (Brazil)
**Region 2**  Alec Ray (United Kingdom)
**Region 3**  Kofi Obeng Ayirebi (Ghana)
**Region 4**  Keith Yim (Hong Kong)

**ICEC New Director Positions**

**Research Director**  Dr Alexia Nalewaik (USA)
**Middle East Director**  Madhu Pillai (Saudi Arabia)

The ICEC Deputy Director positions for 2018-20 will be appointed by the Region Directors in consultation with the ICEC Executive. The following are the existing deputy director from 2016-18. Most of these positions will be ongoing but may be subject to change in accordance with the Region Directors' appointments.

**ICEC Region Deputy Directors**

**External Relations**

Region 1 – To Be Advised
Region 2 - Alan Bartrop (United Kingdom)
Region 3 - Michael Olayema Shonubi (Nigeria)
Region 4 – Julie Cruz (The Philippines)

**Marketing**

Region 1- To Be Advised
Region 2 - Sean Regan (Europe/USA)
Region 3 - Jeffery Aful (Ghana)
Region 4 – To Be Advised

**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
TT Cheung ICEC Chair 2016-18
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

2018 ICEC DISTINGUISHED INTERNATIONAL FELLOW (DIF) AWARD

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

The following DIF awards were approved at the 2018 ICEC Council Meeting and awarded at the 2018 Congress:

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)

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.

The award winning paper for 2018 was:

Cost Engineering Category

Author: Brandon Atkins, PE (United States)
Paper Title: The Behavior of Resource Critical Schedules

This paper was presented as a technical paper at the 2018 AACE Annual Meeting and received very strong reviews at the meeting.

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.

The 2018 Jan Korevaar Best Congress Paper Award was presented to:

Dr. Peter Wong

For the Paper Titled:
Towards Decision Making on Carbon Reductions Over the Building Life Cycle—An Empirical Study
2018 ICEC CHAIR & REGION AWARDS

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

The following awards were presented at the 2018 Congress:

**ICEC Chair Awards:**
Eugene Seah (Singapore)
Angelo Valle (Brazil)

**ICEC Region 1 Awards:**
Wilton de Alvarenga Vianna Baptista (Brazil)
Maria Teresa Pino Rodriguez (Paraguay)

**ICEC Region 2 Award:**
Robert de Vries (The Netherlands)

**ICEC Region 3 Award:**
Dr Isabella Njeri Wachira Towey (Kenya)

**ICEC Region 4 Award:**
Prof Anthony Mills (Australia)

**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/](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. 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](https://www.linkedin.com/groups/3419960).

ICEC Business Directory Project

ICEC Immediate Past 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 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 Construction Measurement Standard (ICMS)

ICEC continues to support the development of the International Construction Measurement Standards (ICMS). ICEC would like to congratulate the ICMS Coalition for the remarkable development of the Standards. Further details can be found at:

https://icms-coalition.org/

Peter Smith
ICEC Secretary General
ICEC—PAQS Conference 2018
OVERVIEW

Australian Institute of Quantity Surveyors (AIQS) hosted the joint 11th International Cost Engineering Council (ICEC) World Congress and the 22nd Annual Pacific Association of Quantity Surveyors (PAQS) Conference from 18 – 20 November 2018 at the International Convention Centre Sydney (ICC Sydney). The event, which also featured the 3rd International QS BIM Conference attracted 476 local and international participants.

The conference opened with a traditional indigenous welcome to country and dance, followed by a Generational Perspectives Panel Session. This session featuring a local and international representative from both generations (YQS & experienced) provided a bridge between the YQS/CE program and the main conference. Panellists Caitlin Shields (Australia), Alexia Nalewaik (USA), Aaron Wong (Brunei) and Robin Wheelwright (Australia) started the conversation about the future of the industry.
Delegates were then taught how to get the best out of networking at the conference and create a conscious connection framework by Catherine Molloy using the “The Million Dollar Handshake” scheduled at the start of the conference to provide tips for delegates to expand their network during the event, her presentation provided a talking point over the coming days.

Other keynote sessions included; Genevieve Bell on Managing the Machines: Human-Computer relationships in the 4th Industrial Age and Andrew Lock, the only Australian in history to climb all fourteen of the world’s 8000 metre peaks, including Mt Everest, twice during a sixteen-year odyssey. Andrew left delegates with an inspirational message to end the conference.

Concurrent sessions occurred over the three days made up of presentations from a call for abstracts which attracted 110 abstracts from 94 submitting authors over the following themes:

- Building Information Modelling (BIM)
- Project Controls/Cost Management
- Law & Contracts
- Project Management
- Sustainability
- Risk Management
- Smart Cities/Smart Infrastructure
- Building Resilience/Post Disaster Reconstruction
- Human Resources Management
- Innovation in Construction
- Other

Delegates also relaxed and networked throughout the event with several social functions including a Golf Tournament, Welcome Reception where delegates met some local wildlife including a koala, joey kangaroo, wombat, python, lizard and saltwater crocodile and a conference dinner overlooking the Sydney Harbour Bridge.
Pre-Conference

In the lead up to the event, both PAQS and ICEC held their respective Board/Council Meetings in Sydney.

Additionally, the AIQS hosted the Young Quantity Surveyor/Cost Engineers program. Traditionally held immediately preceding the Annual PAQS Conference, the program allows Young Quantity Surveyors from member associations to network with and learn from their peers and colleagues across the Pacific Region.

Conference Attendance Details

The following provides a breakdown of the delegates attendance by country.

<table>
<thead>
<tr>
<th>Country</th>
<th>Attendance</th>
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<tbody>
<tr>
<td>Australia</td>
<td>144</td>
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<tr>
<td>China</td>
<td>105</td>
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<tr>
<td>Malaysia</td>
<td>43</td>
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<tr>
<td>Hong Kong</td>
<td>27</td>
</tr>
<tr>
<td>New Zealand</td>
<td>23</td>
</tr>
<tr>
<td>Nigeria</td>
<td>21</td>
</tr>
<tr>
<td>Singapore</td>
<td>20</td>
</tr>
<tr>
<td>Sri Lanka</td>
<td>13</td>
</tr>
<tr>
<td>Japan</td>
<td>11</td>
</tr>
<tr>
<td>South Africa</td>
<td>9</td>
</tr>
<tr>
<td>Canada</td>
<td>8</td>
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<tr>
<td>Brunei</td>
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<tr>
<td>Ghana</td>
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<tr>
<td>UAE</td>
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<td>Indonesia</td>
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<tr>
<td>Philippines</td>
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</tr>
<tr>
<td>Netherlands</td>
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<tr>
<td>Kenya</td>
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<tr>
<td>United Kingdom</td>
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<td>United States</td>
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<tr>
<td>Qatar</td>
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<tr>
<td>Brazil</td>
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<td>Croatia</td>
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<tr>
<td>Czech Republic</td>
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<td>Egypt</td>
<td>1</td>
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<tr>
<td>Ireland</td>
<td>1</td>
</tr>
<tr>
<td>Switzerland</td>
<td>1</td>
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<tr>
<td>Thailand</td>
<td>1</td>
</tr>
<tr>
<td>Uganda</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>476</strong></td>
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</table>
Young Quantity Surveyors/Cost Engineers (YQS/CE) Program

Traditionally held immediately preceding the Annual PAQS Conference, the program allows Young Quantity Surveyors from member associations to network with and learn from their peers and colleagues across the Pacific Region.

AIQS extended this program to host young professionals from both ICEC and PAQS member association. It was thus renamed the Young Quantity Surveyors/Cost Engineers Program for 2018.

The meetings also led to the establishment of the ICEC ‘Rising Professionals' Group.
The analysis of costs and benefits
(By: ing. Gianluca di Castri, DIF, EIE/ICEC – Senior Vice Chair of the ICEC)

We should not confuse the analysis of costs and benefits with a business plan: both of them are used to decide whether a project shall be executed or shall remain as a feasibility study without becoming something real, however they are based on a completely different approach, albeit the methodology is apparently the same.

The business plan concerns a business project, whose purpose is to produce goods or services for sale: known costs must be compared with expected revenues, considering the relative risks and variations, while any other element should not be taken into consideration. In reality, this is not always the case, sometimes the entrepreneur also expects from his project indirect benefits, such as to increase his visibility, personal prestige or success. On the other side, the investors are willing to have a financial return and in general do not care about indirect benefits, that they are not concerned with.

The case of an infrastructural project is different: public works, even in case they produce goods and services for sale, should still have a broader purpose. Their costs are, or at least should be, known, while the benefits are partly the result of political and non-technical decisions: the identification of costs and benefits must be made with a broader view, considering on one side the real costs and on the other side real and virtual benefits, paying attention to avoid confusion between costs and benefits. It seems impossible, but this also happened sometimes: in reality, in a project that is subject to political decision, sometimes the judgement about what is a benefit and what is not is someway subjective and may be different if considered from the point of view of different political actors. In theory, decision should be taken in order to pursue the “common good”, an idea that implies a common vision of the world, while the real vision of each political actor is related to the ideology to whom his party is referring.

In plain words, the benefits depend on the purpose for which the infrastructure has been designed: to decide which are the benefits to be taken into consideration is an act of discretion of the politician who has taken or must take the decision, not of the technician who performs the analysis.

For the sake of clarity, let’s take a few examples:

1. The construction of the pyramids: in business terms we have known costs and zero benefits. In reality the benefit that the promoters of the work wanted was the transformation of several tribes more or less tied together in a nation, and they succeeded in it, since they created in empire that, albeit with alternate events, lasted about three thousand years. A side benefit, neither expected nor predictable, was the birth of a civilization that is still studied and partly influences us even today, after more than five millennia. If the purpose had been only the burial of the Pharaoh, it would have been enough to dig a pit.
2. The **great churches of the Renaissance** and many other monumental works were built by deliberately underestimating the costs (the most documented is the case of St. Paul Cathedral in London), in reality the promoters of the work had in mind non-economic benefits.

A. Those project were financed either by governments or by major religious orders or institutions, if a cost analysis based on the aforementioned criteria had been carried out, such works would never have been realized, and today humanity would be poorer.

B. Different the case of Medieval cathedrals, where the promoters were only giving finance to start the project, that was then subject to “penitential financing”, namely to the offers from people of every status and economic condition, then construction time was subject to the available finance, with the further complexity due to the fact that the project was evolving continuously.

3. The benefits from the **large railway constructions** of the nineteenth century and in part of the twentieth century were certainly not exclusively expected from the sale of tickets or freight for the transport of goods: one of the purposes which was given great weight was the swift transport of troops in case of need.

4. Coming to more recent times, all the **big events** (Expo, Olympic games, Jubilee, etc.) are passive if ticket sales are compared to known costs, the real benefit is indirect; the same for construction of a state road, no toll is paid therefore zero benefit, while the real benefit is indirect and consists in the improvement of communications and therefore in the standard of living and GDP in the areas served.

5. The **bridge from continental Italy to Sicily**, together with the high-speed system from Salerno to Reggio Calabria, should have had the purpose of “shortening” Italy and allowing the economic development of the areas concerned. If we limit ourselves to considering it as a substitute for the ferry and we analyze the costs and benefits of this hypothesis, it cannot
Signing of Service Agreement with Singapore University of Social Sciences (SUSS)

The Singapore Institute of Surveyors and Valuers (SISV) and Singapore University of Social Sciences (SUSS) intend to promote continuing education and to raise standard amongst the practitioners in the built environment by jointly develop relevant courses.

Following an earlier Memorandum of Understanding (MOU) signed for the above understanding, SISV-SUSS has jointly developed Certificate in Measurement of Building Works and the course has commenced on 26 January 2018 at SUSS. The course is a comprehensive measurement course aims to equip practitioners/ participants with the essential knowledge and skills to take off quantities in accordance to the principles and rules of the Singapore Standard Method of Measurement. The said course qualifies for Government grants/ funding for Singaporeans and Permanent Residents and ranges form 70-95%.

A Service Agreement for the Certificate in Measurement of Building Works was signed with SUSS on 23 March 2018.
The SISV QS Division organized its annual QS Division Networking Night on 9 November 2018 at Grand Copthorne Waterfront Hotel, Singapore.

The networking night was attended by 100 over members, probationers and technical members.

Besides dinner and networking, the event has also invited guest speakers from Singapore Building Construction Authority (BCA) to share on the “Construction Industry Transformation Map (ITM) Overview and Updates on BCA Government Incentives Schemes”.

Construction ITM aims to turn the Built Environment (BE) Sector into an advanced and integrated sector with widespread adoption of leading technologies, led by progressive and collaborative firms well-poised to capture business opportunities, and supported by a skilled and competent workforce offering good jobs for Singaporeans. The key strategies are to:

- Increase adoption of Design for Manufacture and Assembly (DfMA) and Integrated Digital Delivery (IDD);
- Build progressive and collaborative firms; and
- Support workforces needs and aspirations.
Study Visit by the Hong Kong Institute of Surveyors (HKIS)

20 October 2018

SISV Young Quantity Surveyor (YQS) group with the support of QS division, Land Surveyors division and Valuation and General Practice division hosted the HKIS Young Surveyors Group (YSG) annual study tour on 20 October 2018.

The YSG group arrived at SISV office for a get-together session in the morning. Ms Wong Yi Min, Chairman of YQS, gave a welcome speech followed by Mr Loi Hwee Yong, Central Management Chairman (CMC) Chairman, delivered an opening speech. Both SISV YQS and HKIS YSG gave a presentation on the history of each professional institution and the recent development of the construction industry in both countries. The morning sessions was wrapped up by Mr Khoo Sze Boon, President of QS division with some insights of PPVC and thank you note to all guest and members of SISV.

The dialogue session continued with a pre-planned lunch which concluded the visit.

17 January 2019 to 19 January 2019

The SISV QS Division hosted the HKIS QS Division Study Visit to Singapore between 17 to 19 January 2019. The delegates from HKIS included chairman, vice chairman, immediate past chairman, honorary treasurer and council member.

The aim of their Study Visit to Singapore is to study and better understand DfMA Prefabricated Prefinished Volumetric Construction (PPVC) and Security of Payment (SOP) Act.
SISV arranged a series of meetings and visit for the HKIS delegates included meeting with BCA to understand the Construction ITM, IDD/ BIM, DfMA effort, visit to BCA Construction Productivity Gallery at BCA Academy, site visit to PPVC project site. We have also invited industry practitioners to share on SOP Act, BIM and PPVC.

Further to the Study Visit, the 3 representatives from SISV QS Division (Mr Khoo Sze Boon, Mr Wong Kin Hoong & Mr Goh Ngan Hong) together with J.Sathia from Allen & Gledhill LLP will be travelling to HK to attend HKIS CPD event as speakers on 30 May 2019. They will be presenting on the topics of “BE Transformation, the Singapore Story” and “Our Payment Regime, Development and Updates”.

![Image of group photo](image.png)
IBEC College

IBEC College was officially founded during the ceremony of Cost Engineer Day 2017. Currently, it operates under the name FAATESP – Álvares de Azevedo Faculty, offering higher education courses in bachelor’s degree and lato sensu specialization courses.

All courses are authorized and recognized by the Ministry of Education (MEC), being part of the National Catalog of Courses of this organ.

The college promotes periodic events, such as Pedagogy Week (in May) and Administration Week (in September). Its headquarters is in São Paulo, the financial capital of Latin America. The city is considered the largest metropolis in Brazil and the 4th largest in the world. It is a gastronomic, commercial, sports and cultural center and receives, on average, 15.4 million tourists per year, which are divided between business and leisure.

Our college is open to you!

Pioneering

Through FAATESP, IBEC has already applied to the MEC for the creation of a degree in Cost Engineering, with a right of disclosure for 2019, which will mean pioneering and advancement for this professional area in Brazil.

Postgraduate degree

IBEC is a benchmark in courses of Cost Engineering in Brazil, whether of short duration or of specialization (MBA and Post-graduation). Currently, there are 9 prestigious courses offered in 14 units distributed in 11 Brazilian states (Rio de Janeiro, São Paulo, Minas Gerais, Espírito Santo, Pernambuco, Mato Grosso, Ceará, Distrito Federal, Bahia, Santa Catarina and Rio Grande do Sul).

More information about IBEC and its courses can be found at: www.ibec.org.br
IBEC College

IBEC Certifier

The IBEC Certifier – IBEC Professional Certification Program – has been accredited by the International Cost Engineering Council (ICEC) since 2015. Its main objective is providing to professionals, companies, public agencies and society in general credibility and trust in certified professionals in the areas of Cost Engineering and Project Management covered in its scope.

In 2015, 35 professionals were certified with the title of Certified Remarkable Knowledge – CRK.

Currently, the IBEC Certifier offers certification for Junior and Senior Technical Specialist, and Junior and Senior Engineers.

FEUP Partnership

The technical and scientific cooperation agreement between IBEC and the Faculty of Engineering of the University of Porto (FEUP) was signed in October 2015, during a meeting between Paulo Dias – IBEC Chairman and ICEC Region 1 Director – and João Falcão Cunha and Hipólito Sousa, respectively Director General and Director of the Laboratory of Systems and Components of FEUP.

For FEUP, the approximation between the Portuguese and Brazilian markets is strategic, since it will allow to bring the two countries closer together in a very important technical field to the engineering and society: cost evaluation.
Through this active partnership, the IBEC lecture "Cost Management in the 21st Century - Integration with Project Management" was held for students and professionals of FEUP, by engineer Paulo Dias. Besides it was achieved the institutional support of the faculty to the 10th ICEC World Congress in Rio de Janeiro (2016) and the International Module in Construction Management, which already had a class completed last year (2018) and will have a new class in Brazil from June.

IBEC was invited to participate in the next FEUP Workshop, which will take place from 17 to 19th June in Portugal. IBEC will give a technical lecture and is already inviting its graduate students to present papers on the event.

**Cost Engineering Mineiro Meeting 2019**

The meeting between professionals of the area will take place on May 28 at the auditorium of the Regional Council of Engineering and Agronomy of Minas Gerais (CREA-MG), in Belo Horizonte.

The expectation is bringing together 80 professionals of Costs and Projects to discuss important issues to the development of these areas, among them will be approached the BIM Methodology.

At the occasion, the engineer Wilton de Alvarenga Vianna Baptista will receive the ICEC "Region 1 Award" (North & South America), awarded to him during the 11th ICEC World Congress and 22nd PAQs Congress in Sydney.
National Cost Engineer Day 2019

Cost Engineer Day and Mini Congress

SAVE THE DATE: 6, 7 and 8th November

IBEC always seeks innovating to offer quality content to Brazilian cost engineers. Therefore, this year the ceremony in celebration of the Cost Engineer Day, according to the State Law 4.905/2006 and Federal Law 13.453/2017, will have a Mini Congress incorporated to it.

On the evening of 6th November, the opening will take place during the solemnity and cocktail in honor of the professional costs. On 7th and 8th November, it will happen lectures and round table about new techniques, methodologies and technologies applied to the Science of Cost.

It will also be an opportune moment to announce the launches of IBEC and its partners.

Soon, more information and the complete schedule of the event, which will be held at the IBEC College (FAATESP), in São Paulo City.

Save this date in your calendar and come to Brazil: 6, 7 and 8th November!

Follow us on our website www.ibec.org.br and social networks www.facebook.com/InstitutoBrasileiroDeEngenhariaDeCustos/
AACE 2019 Conference & Expo
New Orleans

June 16-19
Sheraton New Orleans

Seminars:
June 13-14 | June 15-16 | June 16 | June 19-20
NZIQS 2019 Conference - Registrations now open!

The annual conference is the biggest event in the NZIQS calendar bringing together over 250 delegates made up of NZIQS members and industry representatives to network, learn and share ideas about our industry.

Topics this year will include:

- NZS3910
- Retentions
- Green Building
- The Internet of Things
- Motivational presentations plus much more

Conference is being held in sunny Nelson where attendees can choose to add extras to their conference like a Moveable Feast, Mountain Biking, Golf and even a Cruise of the Abel Tasman.

NZIQS invites ICEC members to attend our conference.

For more information email alana@nziqs.co.nz
**About the Conference**

Projects of all sizes, small-medium-mega-giga-tera, play an important role in creating strategic asset for the nations and organizations. As projects continue to grow in numbers, sizes and complexity, owners and contractors who wish to see long-term success must embrace more collaborative approaches, sound project management practices, employ digital tools for effective management and define clear road maps for recovering distressed projects and assets.

Overruns, both time and cost, pose huge risk to the projects viability and intended outcomes. Studies indicate that while some projects are impacted due to external factors which are beyond the control of the implementing agencies such as land acquisition, regulatory approvals, etc., majority of projects are delayed by factors which can be controlled at the project level through proper planning and project management. Skill Shortage, both blue and white collared, is the “single most concern” for many of the developing economy as majority of the workforce is un-employable. Substandard project management is basically a result of shortage in acquisition of talent who are conversant with the latest technology tools and applications for project management.

The intended outcome of the conference is to understand the global best practices through experienced leaders, chalk out a road map with representation from Government, public sector enterprise, financial institutions, private companies, academia and professional organizations like AACE International, RICS, etc. Benchmarking international best practices in Cost Management and Project Controls, shortfalls in current practices in developing and developed economies, required support mechanisms and collaboration with various bodies to address the gaps shall be the fulcrum of discussion, so that it benefits public and private projects.

**Why Attend?**

- Network with international experts from industry and academia
- Professional Development and Reinforce Core Skills
- Fuel Your Passion with insights and personal reflections from global leaders
- Re-certification points for multiple professional certifications

**Who Can Attend?**

- CEO/COO/CXOs
- Project Managers
- Academia
- Cost Estimators
- Planners & Schedulers
- Project Control Managers
- Cost Managers
- Contract Administrators
- Risk Managers
- Claims & Dispute Resolution Managers
- Research Scholars

“Enhancing ROI from any Asset or Service”
Registration Fees

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*For current AACEI members only
**Undergraduate and Post Graduate students shall be eligible to register upon submission of documentary proof

Note:
1. The above rates are excluding GST (18%)
2. For Workshops, the regular fee and onsite fee will be revised after 31-Mar-2019
3. Workshops will be conducted depending on the registrations. In the event of cancellation of a workshop due to inadequate strength, the participants will be requested to choose another workshop.

Discounts applicable on bulk registration (7 and above).
For details, please write to register.icmpc2019@aaceindia.org | Call: +91 - 9741596853 | http://www.aaceindia.org

Conference Tracks
- Cost & Schedule Control
- Professional Development
- Claims & Dispute Resolution
- Fundamental Skills
- Estimating
- Earned Value Management
- Project Management
- Decision & Risk Management
- Planning & Scheduling
- Project Case Studies
- Owner Issues

Pre-Conference Certification Workshops
- Certified Cost Professional (CCP)
- Certified Estimation Professional (CEP)
- Earned Value Professional (EVP)
- Planning and Scheduling Professional (PSP)
- Decision and Risk Management Professional (DRMP)

At the Conference & Workshop, choose from five different highly interactive, participatory learning opportunities designed for wherever you are in your career. Perfect for new and experienced practitioners who focus on all aspects of total cost management. Gain valuable skills and important takeaways that you can deliver back to your organization, while also prepping for the next phase of your Career. Register today!

Tours
“For information of Post Conference tour packages, please visit our website www.aaceindia.org”
The 2018 edition of Project Controls Expo UK witnessed great success with over 1,300 attendees from around the world. Now in its 9th year, we will continue to deliver our objective of providing a significant practical and theoretical awareness of the project controls processes, tools and techniques to our delegates in 2019. This is the most important international annual event in the UK for those working within the spectrum of project controls.

12th November 2019 - Awards evening & networking dinner
13th November 2019 - Expo
Emirates Arsenal Stadium, London, UK
Get registered today and benefit from the early bird rate of £100 plus VAT before standard and premium pricing is applicable.

Key Highlights for 2019
- We are making more effective use of the whole Emirates Arsenal Stadium by making the venue more easily accessible and comfortable for everyone.
- **NEW in 2019** - Introducing 3 new categories to the Project Controls Expo Awards. This event will be held on the evening of 12th November with a drinks reception, dinner and the announcement of 7 award winners.
- Social Projects Zone: Focusing on projects that demonstrate the positive impacts they can have on society.
- Woolwich entrance: A larger new entrance for delegates with a covered area to speed up the check-in process is now available and an additional catering area.
- Project Controls Expo App with better and improved features.
- Our regular features: Masterclass Zone, Case Studies Zone, Technology Zone, Megaprojects Zone and SME Zone along with a Panel Discussion.

**Project Controls Expo Awards, sponsored by Oracle**
A total of 7 categories in 2019:
- UK Project Management/Project Controls Apprentice of the Year (sponsored by ECITB)
- Global Award for Project Controls Innovation
- Global Award for Project Controls in a Megaproject (sponsored by BAE Systems)
- Global Project Controls Professional of the Year
- Global Project Controls Consultancy of the Year
- Global Transformation Project of the Year (sponsored by Oracle)
- Global Project Controls Company of the Year (sponsored by Cleopatra Enterprise)

We are now open for entries, until 12th June 2019. For further details please visit: projectcontrolexpo.com/awards-night

**Supported by:**

**Platinum Sponsor:**

**ICEC** guests can attend the event for free using promo-code 'ICEC456' (Limited to 25 tickets). Additional guest passes are available at a 50% discount quoting promo-code 'ICEC50'. Details of delegates using the codes will be shared with ICEC.
**Key Features/Attractions**

- Partner Showcase and Jobs Fair  
  @ Olympic Room B and Betty Cuthbert Lounge
- Case Studies Zone  
  @ Jim Stynes Room A & B
- SME Panel/Zone  
  @ Olympic Lounge
- Innovations Zone  
  @ Lindsay Hasset Room
- Masterclass Zone & Awards Night  
  @ Members Dining Room
- Megaprojects Zone  
  @ Yarra Park Room
- Technology Zone  
  @ Olympic Room A

**Quiet Zones**

Quiet Zones offers you peaceful areas with comfortable seating. Please keep your phones “switched off” or in “silent mode” to ensure you don’t disturb others. You can also access/view all the presentations from Quiet Zones if you wish to do so.

Please note: Considering the size of the event, Expo is spread across entire stadium so please make yourself fully aware of all the zones and plan your sessions accordingly. There is plenty of seating capacity (circa 250) in each zone to ensure you don’t miss any presentation if you get late due to travelling between various zones.

**Social**

Join us in the evening for a complimentary drink at our networking social.

To ensure delegates have least problems with navigation, there is significant signage at venue and in addition to that we have our crew/stewards who can help you move across the stadium efficiently.

**And Relax!**

After an intense day of learning come and join organisers, delegates and leading Project Controls Expo Partners for some uninterrupted networking, re-acquaint yourself with old friends and make new contacts whilst enjoying a few drinks.

**Location**

Melbourne Cricket Ground, Brunton Ave, Richmond VIC 3002, Australia

**Social media and Web access**

We are pleased to offer free Wi-Fi to our delegates. Please search by network: MCG Network

Spread the word on event and/or share your experience -

- https://twitter.com/projconexpo_aus
- https://www.facebook.com/ProjectControlsExpoAUS/
- https://www.linkedin.com/company/project-controls-expo-australia/
2019 ICEC
UPCOMING EVENTS


19-22 June, 2019—NZIQS Conference, Nelson New Zealand

11-12 July, 2019 – AACE (India Section) International Cost Management & Project Controls Conference, Indian Institute of Technology (IIT), Delhi, India.


30 September – 2 October 2019 – 31st IPMA World Congress, Merida, Yucatan, Mexico.

30 October, 2019—PMA Focus 2019, Vienna Austria
