Brazil to host 10th ICEC Congress in 2016

Paulo Dias, IBEC President and coordinator of the organizing committee, highlighted the importance of the event to the knowledge of cost engineering in Brazil. "We have been struggling to make cost engineering a science, and events such as the 2016 World Congress will reinforce the importance of the field for society," said Paulo Dias.

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ICEC Office Holders 2012-2014

ICEC Executive:

Carsten Wredstrom ICEC Chair
Dr. Alexia Nalewaik Senior Vice Chair

TT Cheung Admin Vice Chair
Kwadwo Osei-Asante Admin Vice Chair

Andrej Kerin Tech Vice Chair
Dr Peter Smith Secretary General

Immediate Past ICEC Chair - Murtala Oladapo

ICEC Region Directors

Region 1 – Angelo do Valle (Brazil)
Region 2 – Gianluca di Castri (Italy)
Region 2 - Assistant Director – Alec Ray (UK)
Region 3 – Robert Pearl (South Africa)
Region 4 – Teo Wooi Sin (Singapore)

ICEC Region Assistant Secretaries

Region 1 – Madhu Pillai (USA)
Region 2 – Martine Miny (France)
Region 3 – Egon Wortman (South Africa)
Region 4 – HH Kwan (Malaysia)

ICEC Advisory Board & ICEC Ambassadors

Roger Batten – Chair (United Kingdom)
Murtala Oladapo (Nigeria)
Peter Cox (Australia)
Basie Verster (South Africa)
Dennis Lenard (Australia)
Allen Hamilton (United States)
Christopher Walker (Canada)
Ong See Lian (Malaysia)
Adesh Jain (India)

ICEC SECRETARIAT

The AIQS host the ICEC Secretariat and have recently moved their head office from Canberra to Sydney.

The Address is

Level 6, 65 York Street
Sydney 2000, Australia
Tel: + 61 2 9262 1822
Fax: + 61 2 9279 1400

The ICEC Administrative Manager, Ms Anna Pappalardo is based in Melbourne and can be contacted by:

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Skype: annapappalardo99
Brazil to host 10th ICEC Congress in 2016

José Chacon de Assis, president of FAEARJ and member of the Congress Organizing Committee, highlighted the relevance of cost engineering and the ICEC Congress in establishing fairer pricing of works around the country.

"The role of IBEC is fundamental to the realization that best price estimates are essential to ensure the quality of public services," said Jose Chacon de Assis.

Notables who attended the event were congressmen from the State of Rio de Janeiro, Luiz Corrêa da Rocha and Paul Ramos, the president of CREA-RJ, engineer Agostino Guerreiro, president of CREA-MT, engineer Juarez Samaniego, president of the Federal Council Engineering and Agronomy (Confea), Jose Tadeu da Silva, Vice Admiral and Director of the Directorate of Civil Works Navy (DOCM) and Liseo Zampronio.

IBEC’s President Paulo Dias, and the President of the International Project Management Association from Brazil (IPMA BR), Raphael Albergarias, signed a cooperation agreement for the two institutions. The partnership between ICEC and IPMA was formed many years ago.

"The agreement between the two institutions is very important to spread the knowledge of cost engineering as a science and this partnership has now been consolidated in Brazil and will bring several benefits for the whole country," said Raphael Albergarias.

Other attendees included representatives of the Union of Engineers of Volta Redonda, Antônio Carlos Issa and Sydney Francisco, the representative of CREA-SP Pedro Katayama, the coordinator of the Chamber of Agriculture of CREA-RJ, Glauber Pinheiro, the director of AFEA, José Geraldo Leite, the president of the Board of the Legal Engineering Institute (IEL), Antero Jorge Parahyba, and Renato Castro da Silva, from the Brazilian Society of Safety Engineering (SOBES-RIO).

As part of the launch, the committee invited delegates to help name the Congress mascot, an oven bird known as a wise builder among the feathered species. Delegates can vote on the names, currently we have Jão Jão, Master Jão and Builder João as options. Those interested in casting a vote or making an alternative suggestion, are invited to visit the congress website at:

A new year has begun with a lot of exciting activities and events in ICEC and its member organizations.

Internally the new ICEC management structure is in the process of being implemented. That means that more executive positions will be available at the regional level to take part in the work of the continuous development of ICEC. The new positions will be shaped by the preferences of each individual candidate. This new structure will be a benefit for the individuals, the membership organizations and the whole of ICEC.

As an example of the benefits of getting involved in ICEC work, I will mention the new Deputy Director of Region 2 Europe/Middle East, Janne Skovgaard Kristensen from Denmark. Janne is working as Senior Cost Engineer in NNE Pharmaplan which is the world's leading engineering and consulting company in the complex field of pharma and biotech.

Janne called me one day to hear more about ICEC, as she was told by a colleague that ICEC might be interesting for her. During the conversation it became clear that Janne has a lot of valuable knowledge and experience to pass on to ICEC, and ICEC can provide a worldwide network and knowledge base of project & cost management to Janne and her company. I encouraged Janne to take part in the ICEC organisation which she did. Therefore, I am very happy that Janne was elected as a new Deputy Director in Region 2 at the annual meeting in Milan, November 2012. In addition, Janne is also active in the Danish member organization, Dansk Projektledelse, as part of the Project Control group.

This group is currently in the process of arranging two seminars on Estimating and Life Cycle Cost/Total Cost Management with inspiration from and participation of experts from the ICEC network. I am sure that those two seminars will attract persons that will get valuable inspiration for their daily work, and will get the opportunity to expand their professional national and international networks. Furthermore these seminars, and the effort of the project control group, will cement the Danish PM organization as an organization that can also offer hardcore cost management services along with the well-known services within the leadership disciplines of project management. I am sure that this will benefit the Danish PM organization in the long term.

Again, this is just an example from Denmark, my home country, but I am sure that more good examples of getting involved in the ICEC organisation can be found in many places around the world. Therefore I encourage you to get involved in ICEC.

It is impossible to give a complete overview of ICEC’s many ongoing activities. A lot of things are going on in the four Regions. To get an overview please visit the web page of ICEC at www.icoste.org or the web pages of the member organizations, or contact directly the local member organization.

Let me highlight the following very interesting events being held:

- 17th Pacific Association of Quantity Surveyors Congress – in Xi’an, China - Terra Cotta Warriors’ Hometown. The theme will be Construction Information - the Cornerstone of Valuation Management. The congress will take place from 18 – 21 May 2013

- AIQS, AACE International & ACES collaborative conference on 7 March 2013 in Perth, Australia on Project Cost Management and Control at the Interface with BIM

- IET/ACostE Webcast 22 Feb 2013. The Institution of Engineering and Technology (IET) and the Association of Cost Engineers (ACostE) on “Accreditation/Professional Recognition routes for the Cost Engineer, Estimator and Planner/Project Controllers – How to be Recognised as a Cost Engineering, Estimating, Planning/Project Controls Professional”. The webinar is free.

All in all - There are a lot of opportunities and ways to take part in the ICEC organisation and networks. Please join us in helping to frame the future of ICEC.
Welcome to the March 2013 ICEC International Roundup Newsletter. This newsletter is published twice a year in March and October. 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.

27TH IPMA WORLD CONGRESS 2013 – DUBROVNIK, CROATIA

ICEC is collaborating with the International Project Management Association (IPMA) to assist in the hosting of the 27th IPMA World Congress from 30 September – 3 October 2013 in Dubrovnik, Croatia. This will include the development of a project cost management/cost engineering stream for the Congress. ICEC members will be encouraged to submit papers for this stream. Meetings will also be organised between IPMA/ICEC officers to further develop various proposals and research agendas. Further details about the congress can be found at:

http://www.ipma2013.hr

This collaboration continues to build on the strong relationship between ICEC and IPMA. The two organisations have a long history of collaboration dating back to the signing of a protocol agreement in 1994.

AIQS/AACE/ACES BIM CONFERENCE 2013

A collaborative conference on Project Cost Management/Building Information Modelling (BIM) was held on 7 March 2013 in Perth, Australia by the following ICEC member associations: The Australian Institute of Quantity Surveyors (AIQS), the Association for the Advancement of Cost Engineering International (AACE) and the Australian Cost Engineering Society (ACES). The title of the conference was Project Cost Management - Control at the Interface with BIM.

This is a tremendous collaboration between ICEC member associations and all ICEC members were invited to register for the event. Further details can be found at: http://www.aiqsconference-bim2013.com.au

17TH PAQS CONGRESS 2013 – XI’AN, CHINA

The 17th PAQS Congress will be held in Xi’an, China from 18-21 May 2013. The ICEC Region 4 meeting will be held in conjunction with this congress and the annual PAQS board meeting. The event is being organised by the China Engineering Cost Association (CECA). All ICEC members are encouraged to consider attending this event. Further details about the Congress can be found at:

http://www.paqs2013.cn

MEMORANDUM OF CO-OPERATION (MOC) WITH THE RICS

ICEC signed a Memorandum of Co-Operation (MOC) with the Royal Institution of Chartered Surveyors (RICS) in June 2012 at the 8th ICEC World Congress in Durban, South Africa. The main objectives of the MOC are for the RICS and ICEC to work together to help promote the profession on a global scale. This includes the promotion of internationally recognised standards and best practices and recognition of the profession by major international organisations such as the World Trade Organisation, World Bank and the United Nations. Details of the MOC can be found at: www.icoste.org/category/links/

ICEC REGIONAL MEETINGS & CONGRESSES

I would like to encourage all ICEC members to consider attending the annual ICEC Regional Meetings this year and related congresses/events. The following meetings are being planned.

Region 1
The Brazilian Institute of Cost Engineers (IBEC) will be hosting the Region 1 meeting in September 2013 in Rio de Janeiro. This will be held in conjunction with a national seminar being planned by IBEC. The date and venue are still to be determined.

Region 2
The Region 2 meeting will be held in conjunction with the 27th IPMA World Congress from 30 September – 3 October 2013 in Dubrovnik, Croatia. As outlined earlier ICEC will be assisting in the hosting of this congress.

Region 3
The Region 3 meeting is to be determined. It may be held in conjunction with the African Association of Quantity Surveyors (AAQS) Council Meeting later in 2013.

Region 4
The Region 4 meeting will be held in conjunction with the 17th PAQS Congress being held in Xi’an, China from 18-21 May 2013.
**AIQS BIM Conference 2013 - Perth, Australia**

**2013 Conference**

**Perth - 7 March 2013**

**Rydges Hotel, Perth**

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**Peter Barnett**, Woodside - Keynote Speech

**David Mitchell**, Mitchell Brandtman - 5D Todays Workflow for Cost Certainty

**Richard Archer**, DCWC and Kia-Ching Ngoo, IVPD Services - BIM Based QTO Interfacing

**David Chokolich**, GHD - BIM & FM

**Dr Paul Giannalvo**, Dot Connector - Earned Value Management

**Professor Xiangyu Wang**, Curtin University - BIM: 5D for Cost Control, Modeling and Monitoring

**Callum Ford**, Integraph Corporation - Construction for the Process, Power and Marine Industries

**Dr Alexia Nalewaik**, QS Requin Corporation - QS v CE: Clash of the Skill Sets

**Paul Megram**, Rider Levett Bucknall - BIM and the QS

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www.aiqsconference-bim2013.com.au
The institution of Engineering and Technology (IET) and the Association of Cost Engineers (ACostE) recently held a joint webcast on professional recognition routes for the Cost Engineer, Estimator and Planner. It was held on 22 February 2013 as an online event and all ICEC Members were invited to be involved. It was organised by the Project Control TPN.

About This Event

For a considerable period of time, the Cost Engineer, Estimator and Planner (CEE&P) have struggled to demonstrate their professional standing, as they do not fit the professional requirements of many of the professional bodies. This has now been addressed by building an accreditation programme based on the Engineering Council registration standards and the national occupational standards for cost engineering, estimating and planning project control and commercial support.

The webinar discussed what ACostE have in place to professionally accredit the professional practitioner leading to one of the following: ECostE(Enrolled), RCostE(Registered) ICostE(Incorporated) or CPCostE (Certified Professional) with the options to progress through to the tiered framework to CPCostE all these are recognised by ICEC. Coupled to this ACostE Accreditation Programme is also: Companies Skills Development Frameworks for the CEE&P community and Course Accreditation in support of the National Occupations standards for the CEE&P skills.

The webinar also discussed the alternative Professional Recognition routes via ACostE leading to CCE (an ICEC status), and also Engineering Council EngTech, IEng and CEng, providing suitable prior engineering experience is demonstrated.

The webinar also covered the IET approach to delivering the Engineering Council status of Eng Tech, IEng and CEng.

Key Speakers for the event were:

- Alec Ray, FACostE, MAACEi, MPMI, MAPM, DIF
- Nigel Hibberd- MSc (Industrial Engineering)- FACostE, MAPM, AIMechE
- Eric McKinnonMcKinnon CEng. BSc (Hons - Open) MIET. MBFI. MSCTE.

The audience target included:

- IET members who have an interest in Projects and Project Controls
- ACostE members who want Professional recognition
- Employers who want to identify Project Control Professionals
- Anyone who is involved with, or has an interest in, Cost Engineering, Estimating, Cost Management and Planning/Project Controls

Organizer

This event was organised by the Project Controls network, ICEC members can join the new online community for Project Controls to network with Project Controls professionals around the world.
2014 - 9th World Congress in Milan - Re-engineering Total Cost Management, A profession that turns words to figures - Call for Papers

21 - 23 October 2014

The AICE (Italian Association for Total Cost Management), ICEC member and F AST member is the organiser of the 9th ICEC World Congress in Milano, to be held from 21st to 23rd October, 2014. The core topic of the congress will be relevant to the competencies in total cost management as well as to related professions, such as planning, scheduling and project controls, cost engineering, value analysis, life cycle cost management, contract and claim management, and forensic engineering.

The Congress will look at changes in the profession around the globe, and in detail in all countries where ICEC is represented. The aim is to define the distinctive features of our profession as well as its relation with connected professions such as project management. Furthermore, through the comparison of the bodies of knowledge of the various associations, it will be possible to obtain a common body of knowledge for ICEC as a whole.

We also would like to have a better definition on how our profession can contribute to business in a sustainable way. Other research paths can be certification, standards and good practice and methodologies. For the time being, we kindly request that you send us your availability for presenting a paper together with title and abstract (no more than 250 words).

For further details please email:  icec2014@aice-it.org

Gianluca di Castri, DIF, EIE/ICEC.A

Director, Region 2 - AICE Past President and Delegate
International Roundup News

**Something about Milan**

Milano is the second largest city of Italy, and its main industrial, commercial and financial centre. Its urban area has a population of about 5 million people.

Its business district hosts the Italian Stock Exchange and the headquarters of the largest national banks and multinational companies, the city is also recognized as a major world fashion and design capital.

Thanks to its important museums, theatres and landmarks (including Santa Maria delle Grazie, decorated with Leonardo da Vinci paintings, a UNESCO World Heritage Site) Milan attracts 2 million visitors per year.

The city hosts several cultural institutions and universities, and it is also well known for the international events and exhibitions which take place there every year, including Milan Fashion Week and the Milan Design Week, the largest of its kind in the world. The 2015 Universal Exposition will be hosted in Milan.

**Proposed Calendar**

**Saturday, 19.10.2014**
- 9.00 - 17.00 ICEC council meeting
- 21.00 ICEC Dinner

**Sunday, 20.10.2014**
- 9.00 - 13.00 ICEC council meeting
- FREE afternoon
- 20.00 Welcome Cocktail

**Monday, 21.10.2014**
- 9.00 - 13.00 Plenary session
- 14.30 - 16.30 Plenary session

**Tuesday, 22.10.2014**
- 9.00—13.00 Stream session by Topic
- 14.30—18.30 Stream session by Topic
- Gala Dinner

**Wednesday, 23.10.2014**
- 9.00—13.00 Stream sessions by Region
- 14.30—18.30 Italian Extension
AACE International News

by Dennis Stork

AACE International completed a highly successful 2012 that included reaching a record high membership, hosting its first educational meeting outside of North America, and converting its certification examination system to a computer-based examination offered at various worldwide testing centers.

RECORD MEMBERSHIP

AACE International concluded 2012 with a record membership of 8,612 members, a 10.4% increase over the previous year, and a 71% increase since 2005. A major factor in this membership growth has been new members joining from outside of North America. AACE International responded to this international growth by adding a ninth regional director to its Board of Directors. The Association has also recommended amendments to its Constitution and Bylaws to add additional representation for the international sector through creation of a Vice President-International Regions position.

INTERNATIONAL TOTAL COST MANAGEMENT CONFERENCE CONDUCTED IN DUBAI

AACE International underscored its commitment to the international arena by conducting its first International Total Cost Management Conference (ITCMC), Nov 14-15, 2012, in Dubai, UAE. The two-day meeting featured opening remarks by engineer Essa Al Maidoor, Deputy Director General of Dubai Municipality and President of the Society of Engineers – UAE.

The ITCM keynote address was presented by Richard Faris, Senior Vice President for Oracle’s Primavera Global Business Unit. The ITCMC program format included 20 technical sessions, chosen from among 47 accepted peer-reviewed papers, from 13 different countries. There was an address by AACE President Marlene Hyde, CCE EVP, highlighting the international commitments of AACE International.

Representatives from 29 different countries were among those registered for the ITCM. AACE International will release details in the near future about future dates and locations for planned International Total Cost Management Conferences.

CERTIFICATION EXAMINATIONS NOW COMPUTER-BASED

During the past 12 months, the AACE International Certification Board converted its six paper-based specialty certification examinations into computer-based examinations offered through Kryterion, a leading computer-based testing vendor. Kryterion is a full service provider of customizable certification programs and services. They work with organizations to build and deliver everything from skills tests and simple online assessments, to a comprehensive high-stakes worldwide certification program with unsurpassed program security, control, and convenience.

Preparations for the conversion required each examination to be psychometrically evaluated. The psychometric report was reviewed by subject matter experts (SMEs) who compared the report to each examination, question by question, and determined potential problems, grammatical errors and formatting issues, or offered recommendations to revise or eliminate a question. The significant changes of the new CBT exams compared to the paper and pencil exams are:

- The Certified Cost Technician (CCT) exam is three hours, maximum (100 questions).
- The Certified Cost Consultant/Certified Cost Engineer (CCC/CCE); Certified Estimating Professional (CEP); Earned Value Professional (EVP) and Planning and Scheduling...
Professional (PSP) exams are five hours, maximum (120 questions).

- The Certified Forensic Cost Consultant (CFCC) exam is five hours, maximum (100 questions/4 essays).

- The CCC/CCE exam is now closed book for the entire exam. However, formula guides were developed to assist in calculating specific questions and are available onscreen, when, and if, needed. (The CEP, EVP and PSP exams have not changed – they are still closed book).

- For the CCT and CFCC exam, you are only permitted a maximum of two reference books for OPEN BOOK exams (downloaded reference books should be printed and bound in a notebook; no loose paper, iPads, Kindles, etc., will be permitted as resource materials for use during the examinations).

  - CCT candidates may use the CCT Primer – in a binder, and the Skills and Knowledge of Cost Engineering (S&K), 5th edition (or previous editions).

  - CFCC candidates may use any two books of their choosing that will be beneficial for referencing.

With the current computer-based exam, candidates now have the flexibility to schedule their exam on a day and time convenient for their schedule. And with over 500 locations worldwide, exam candidates should not encounter significant obstacles in finding an exam center near their home or office. Candidates are still required to register for an exam by completing an application, making payment with AACE International, and submitting the required eligibility documentation (and technical paper if applying for CCC/CCE certification).

**ONLINE LEARNING CENTER LAUNCHED**

AACE International expanded its impressive portfolio of online resources by launching an Online Learning Center in September 2012. The Online Learning Center features modules based upon actual technical presentations captured at its Annual Meetings. Each recorded unit includes a live audio recording of the speaker, synchronized to the slides accompanying the presentation. Individuals may watch or listen to the presentation modules from any computer in the world with Internet access at anytime. The vast majority of Annual Meeting presentations will be offered in this format. Each unit includes the technical paper associated with the presentation, and a downloadable audio-only version that you may play on your mobile device or iPod.

The Online Learning Center also features all of AACE International’s primary publications including, certification study guides, Cost Engineering Journal issues, general cost engineering materials (such as AACE Recommended Practices, the AACE Total Cost Management (TCM) Framework, etc.), and AACE Professional Practice Guides.

Members may purchase viewing rights to technical presentations modules for a fee of $25, while non-members will pay $30. Individuals who purchase presentations may earn recertification credit toward AACE International certifications, similar to the credits granted to registrants at the AACE Annual Meeting. Each presentation module earns 0.1 recertification credits. Once a module has been viewed and verified, the Online Learning Center will update the individual’s online AACE record with verification that the module has been purchased and completed, and an electronic certificate of completion will be attached to the individual’s online AACE membership profile.

![SAVE THE DATE!](image)

**2013 ANNUAL MEETING IN WASHINGTON, DC**

The 2013 Annual Meeting will be June 30-July 3, at the Marriott Wardman Park in Washington, DC. The theme, “TCM Blossoms in DC” will feature more than 100 technical presentations over four days. The keynote speaker will be Dr. Ben Carson, MD. In 2008, Dr. Carson was awarded the Presidential Medal of Freedom, which is the highest civilian honor in the US. Carson was recognized in November, 2008 by U.S. News & World Report and Harvard’s Center for Public Leadership, as one of “America’s Best Leaders.” On February 7, 2009, the award-winning movie entitled: Gifted Hands: The Ben Carson Story, starring Cuba Gooding, Jr., as Carson, premiered on TNT and is based on his memoir. The AACE Annual Meeting will also feature an exhibit hall and the annual awards luncheon and installation of new AACE Board of Directors members.

Change has been a global exhortation within the construction industry in the last decade and it is widely recognised that every profession must evolve in response to challenges in the worldwide business environment, in order to remain viable and marketable.

The need for QSs to remain at the forefront of this change has been examined by many recent commentators. It has become evident that the profession is not isolated from change and needs to be ever mindful of the international business landscape.

It is also clear that without an understanding of current and future trends, QSs may perceive risk as threats, rather than opportunities. By prompting practitioners to reflect on their current practices, the profession can re-position and re-engineer its roles to maximise the opportunities and minimise imminent threats.

In parallel, and in response to the same conditions, the roles of many other professionals are also evolving. Global mobility of professional services is increasing, work is portable and no longer tied to an office, and clients are demanding better and more effective advice on their projects. Best practices in professions are now global not local, and are shared across platforms in many industries and disciplines. This external environment is creating the need for the quantity surveying profession to not only improve its own performance, but also to look for strategic alliances with allied professions to gain new skill sets and reposition services currently offered for both existing and new markets.

As an example, the petrochemical boom in Australia has created challenges and opportunities to both Australian-based and international practitioners of cost management. While QSs have not traditionally had extensive involvement in the oil and gas industries, it does represent a huge untapped potential for future work. In contrast, cost engineers (CEs) both in Australia and from abroad have extensive portable skills and experience in this industry. This cost engineering workforce has high global mobility, and thus location is no obstacle to assignment to these projects.

This has created a coincidence of need for the skill sets of both QSs and CEs, which are represented by different professional associations. This article provides an opportunity to debate the synergies that the two different but similar professions bring to the market for cost management services, both globally and in Australia. It also provides a roadmap for collaboration, training, and change for both disciplines, locally and globally.

**Engineering Change**

_Prof. Anthony Mills and Dr. Alexia Nalewaik_

Anthony Mills and Alexia Nalewaik discuss the global relationship between quantity surveyors and cost engineers and examine the issues around their skills and the markets in which they operate

**TRADITIONAL ROLES**

To date, quantity surveying and cost engineering have developed in parallel, in separate markets, without the need to compete or align. We think it is now essential for the two groups to recognise each other’s capabilities, in order to understand possibilities the future may hold.

**QUANTITY SURVEYOR**

According to RICS the distinctive competencies or skills of the quantity surveyor are associated with measurement and valuation, which provide the basis for cost management of the construction project in the context of forecasting, analysing, planning, controlling and accounting.

While the QS is perhaps best known for measurement, quantification, and preparation of bills of quantities in the commercial sector, they have other skills which are frequently applied in the project environment, e.g. procurement, financial and contractual controls which include all aspects of controlling costs and monitoring expenditure on behalf of others.

It as also been said that in recent years, there has been considerable expansion and diversification of services. Evolution of the skill set has thus far included; estimating, risk, management, value management, asset management, environmental issues, feasibility studies, health and safety, insurance, auditing, project management and quality assurance. This trend has become most recognisable with the incoming generation of QSs with one commentator saying “the majority of new graduates appear to be entering more non-traditional QS routes”.

**COST ENGINEER**

AACE International has defined Total Cost Management as “the effective application of professional and technical expertise to plan and control resources, costs, profitability and risk... a systematic approach to managing cost throughout the life cycle of any enterprise, program, facility, project, product, or service... accomplished through the application of cost engineering and cost management principles, proven methodologies, and the latest technology in support of the management process... engineering judgment and experience are utilised in the application of scientific principles and techniques to problems of business and program planning; estimating; economic and financial analysis; cost engineering; program and project management;
planning and scheduling; and cost and schedule performance measurement and change control."

Historically, many CEs come from a technical background, such as engineering. This has provided them with an inherent knowledge of project execution and the ability to add value. In practice, the CE is perhaps best known for capital project planning (scheduling) and (project cost) accounting in construction – specifically in heavy industries such as petrochemical, mining and manufacturing. However, CEs can be found on projects in many industries, including commercial projects and defence. The skill set has also been portable to the IT and other sectors. Cost engineering is integrally linked to financial management including estimating, risk management, value management, project management, resource management and management accounting practices.

CEs remain dominant in planning/scheduling and estimating, along with all types of accounting and cost management. The CE has successfully moved into areas beyond the traditional tasks of estimating and cost control. Expansion of the skill set into other disciplines includes the traditional scopes of work covered by quantity surveying and project management.

Competency standards have evolved as a means to delineate or classify certain skill sets within a profession or occupation. Examination of the skill sets of professional groups identifies a range of opportunities and threats to the development of generic cost management. In order to study this more closely a comparison of the competency standards of two professional associations (AACE and AIQS) was undertaken to compare the contrast the skills used to manage cost on projects.

RESULTS

Past work by the authors has identified the global similarities and gaps in the skill sets of these two significant cost management professions and explores the difference between quantity surveying and cost engineering by exploring the intersection and divergence in the competencies as defined by leading professional associations around the world including RICS.

In considering the Australian case, the detailed comparison highlights the similarities between QSs and CEs in the local market. The results show that significant overlaps exist in the competencies of the project cost management professions.

The results show that overlaps occur in many areas primarily around cost management, contract administration, risk management and reporting (including claims). Gaps emerge as opportunities for both professions to develop specialisations, in the areas of scheduling, compliance, audit, assessment, valuation, and policies & procedures (see Figure 1).

<table>
<thead>
<tr>
<th>Skills &amp; Knowledge of Cost Engineering</th>
<th>National Competency Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compliance</td>
<td>CE</td>
</tr>
<tr>
<td>Constructability Analysis</td>
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<tr>
<td>Construction Technology</td>
<td>✓</td>
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<tr>
<td>Financial Audit</td>
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<tr>
<td>Optimization</td>
<td>✓</td>
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<td>Performance Assessment</td>
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<td>Planning &amp; Scheduling</td>
<td>✓</td>
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<td>Policies &amp; Procedures</td>
<td>✓</td>
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<tr>
<td>Productivity Management</td>
<td>✓</td>
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<tr>
<td>Premises, Energy, &amp; Maintenance Audit</td>
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<tr>
<td>Project Controls</td>
<td>✓</td>
</tr>
<tr>
<td>Scope Definition</td>
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<tr>
<td>Stakeholder Management</td>
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</tr>
<tr>
<td>Valuation &amp; Appraisal</td>
<td>✓</td>
</tr>
</tbody>
</table>

Figure 1 – Differences between the QS (AIQS) and CE (AACE)

Despite the considerable overlap of skill sets, there still appears to be opportunities for application of QS skills in the booming Australian oil and gas industry. Interviews with petrochemical industry professionals and a search of local job advertisements indicate that application of QS skills in oil and gas has been limited to traditional roles. QS skills are often applied on unit price contracts (such as during turnarounds) and in other situations that require field verification of quantities; this plays to the traditional core QS competency in measurement. Positions requiring validation skills (such as module fabrication, productivity, progress measurement, quality assurance, regulatory compliance and other inspections) are also filled by QSs, as are jobs in contract administration.

Outside these two arenas, a position on the project team by a QS appears to be related to the relationships held by QS or project management firms, owner understanding and application of the QS skill set, and specialist knowledge held by individuals (e.g. mechanical equipment, specialty metals and specialty materials such as catalysts and packing).

DISCUSSION

Every profession evolves in response to the ever-increasing changes in the global business environment. Cost engineering and quantity surveying differ primarily in the route taken to professional qualification, and not necessarily to any substantive difference in the two professions.
To remain relevant, globally competitive and successful, QSs and CEs need to constantly scan their business landscape to discern new directions and adapt to imminent changes in their professional practice. Our research investigated the current areas of, and future directions in, cost management practice in the Australian petrochemical industry; imminent opportunities and threats; and ways to proactively maximise the opportunities and minimise the threats.

Figure 2 Conceptual Framework

A conceptual framework was developed and recommended for use by quantity surveying and cost engineering in mapping a strategic pathway between the current state of affairs and the desired future growth.

Of particular interest is the suggestion that QSs should work collaboratively with other professions in related cost management fields. Overall, the literature tends to suggest that the main opportunities for QSs lie in capitalising on the management type services unique to the profession. The conceptual framework suggests that dialogue about the skill sets that are unique to each profession should form the focus of the discussion.

Professional associations have a vital role in the evolution of the profession. It is clear that while the basic competencies of quantity surveying and cost engineering have remained intact, professional associations providing certification have now begun to recognise the importance of specialist expertise. They make the point that understanding the role of the QS and CE on projects can assist professional associations in serving their members by providing training, certification, and networking opportunities, students in choosing a career path, and organisations in marketing their services.

The discussion also draws attention to curriculum needs at the university level and continuing education for practitioners, thus maximising career opportunities. Perhaps most importantly, professional associations can provide a mechanism by which owner-operators can be educated about the skills and knowledge of the QS, and how those might be applied outside the commercial sector such as in the petrochemical industry in Australia.

CONCLUSIONS

The project cost management profession is now recognised as a distinct professional discipline around the globe. The scope of services provided by these professionals is now very broad as firms embrace the concept of total cost management to effectively service their clients. As individuals and firms seek to satisfy client needs, the roles of the QS and CE continue to broaden.

Due, in part, to maturity in the use of project management techniques, cost management has emerged as a pivotal discipline. There is now a global shortage in the field of cost engineering. At the same time, universities around the world are producing qualified QSs who, by virtue of their qualification (but lack of specialisation) have thus far been largely precluded from entering the cost engineering market and certain industries. It is clear to the authors that the situation is global, although most keenly felt at this time in certain regions such as Australia.

To satisfy demand, it is imperative that cost engineers and quantity surveyors must join forces. This includes developing shared terminology, which can then be used in marketing both the profession and services. The quantity surveying and cost engineering professions should take a leading role in managing the process, but should do this together with leading tertiary institutions as well as professional associations around the world. RICS has established a strong presence globally for the QS profession, and this can be further strengthened with the local Australian QS organisations including the Australian Institute of Quantity Surveyors (AIQS) and the Australian Cost Engineering Society (ACES).

The competencies of cost engineering and quantity surveying are evolving in response to market demand, creating much overlap in the services provided by these disciplines. Whether it is carried out by a QS or CE, the basic principles of effective project cost management remain the same and the portability of professionals to work within each of these disciplines is evident.

This evolution should not come as a surprise and is a natural response to the need to meet differing and changing client needs and to grow the market for the professions. Changes in business environments bring about intense pressure to the managers to think and rethink, search and research, view and review the skills and competencies to put them at the top of their demanding jobs; However, ultimately, every profession must evolve in response to the changes in the global business environment, and practitioners must understand their clients and their commercial objectives and explore innovative ways to deliver best value.

These changes are natural and will likely continue unabated.
2 American Association of Cost Engineers International
3 AACE 2006, AACE International Recommended Practice No. 11R-88, Required skills and knowledge of cost engineering, Total Cost Management Framework General Reference, American Association of Cost Engineering International, Morgantown, Va, USA.
4 Australian Institute of Quantity Surveyors
5 Australian Institute of Quantity Surveyors
6 American Association of Cost Engineers International

A fully referenced version of this article citing many different sources is available from the authors.

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The Institute of Quantity Surveyors of Kenya (IQSK) is a non-political and non-profit making organization which was founded in 1994 with the objects of:

- Promoting the general advancement of the practice of Quantity Surveying and its application in Kenya including facilitating the exchange of information of the Institute and otherwise.
- Doing all things which the council of the Institute may deem proper, including advising Government, public bodies and other individuals on matters concerning quantity surveying.
- Cooperating with universities and other educational institutions and public education authorities for furtherance of education and training in quantity surveying and practice.
- Printing, publishing, selling, lending or distributing the proceedings or reports of the Institute or any papers, communications, works or treaties of Quantity Surveying or its application or subjects connected herewith.
- Cooperating with the Board of Registration of Architects and Quantity Surveyors, and other relevant societies on matters concerning Quantity Surveying education, training, examinations and practice.

HOW IS IQSK ORGANISED?

The secretariat of the Institute is located on Ring Road Junction, off Lenana Road, Nairobi. To further its aims and objects, the Institute can set up branches in any part of the country. The Institute has standing committees to advise the Council on academic and professional standards membership, training and other such matters.

- The Institute has an established secretariat which carries out such executive functions as are necessary to allow the council to discharge its administrative responsibilities.
- The institute is in the process of establishing specialized sections of the Institute e.g. Construction Project Management.

The management of the affairs and business of the institute is vested in and conducted by an elected council. The council is composed of the office bearers, the most recent past chairman and not more than five corporate members elected at an Annual General Meeting. The executive and full council meeting takes place monthly.

For more information, visit www.iqskeny.org
The 17th PAQS Congress will be held from 18-21 May 2013 in X’ian, People’s Republic of China.

The congress hosts are the China Engineering Cost Association (CECA).

Founded in 1990, CECA is a national social organization approved by the Ministry of Housing and Urban-Rural Development of People’s Republic of China and registered with the Ministry of Civil Affairs.

CECA became a full member of the Pacific Association of Quantity Surveyors (P AQS) and the International Cost Engineering Council (ICEC) in 2004 and 2007 respectively.

China’s construction cost industry, beginning to take shape after more than two decades’ development, has been playing a significant role in China’s reform and opening-up in the economic construction. At present, there are over 6,600 Grade A and Grade B engineering cost consulting enterprises throughout the country, providing cost management consulting services, and the total number of professionals engaged in cost engineering now exceeds 800,000, among which more than 100,000 are cost engineers, and more than 700,000 cost technicians.

These professionals are widely distributed in China’s construction units and departments, mainly engaged in design, bidding, construction, engineering cost consulting, engineering audit, engineering supervision and engineering management.

CONGRESS ORGANIZER - CECA

CONGRESS COMMITTEE LEADERSHIP

The Organizing Committee leaders are:

Chair: Mdm. Zhang Yunkuan
Co-Chairs: Mr. Liu Can, Mr. Xu Longfa, Mr. Wu Zuomin
Honorary advisers: Mr. T.T. Cheung, Dr. Anita Liu, Mr. Stephen Y.F. Lai

The Congress Theme is: Construction Development - The Cornerstone of Valuation Management.

IMPORTANT DATES

15 December 2012: Deadline for Abstract Submission
18 January 2013: Notification of Acceptance
15 February 2013: Final Submission of full Paper
15 February 2013: End of Early Registration
18-21 May 2013: Notification of Paper Acceptance
Welcome to the 27th IPMA World Congress 2013

In parallel 2nd ICEC & IPMA Global Congress

www.ipma2013.hr

Our world is a world of projects, because there is no human activity without projects. Projects change our world; they transform our visions into reality and create a future fitting both for man and the community. Projects are not sufficient in themselves to realize our ideas and visions, we need successful projects, which are the result of competent project management.

The International Project Management Association (IPMA) www.ipma.ch is the first and leading world, professional, non-profit organization, which gathers together national associations from more than 55 countries, from every continent of the world. Founded in 1965, IPMA has already been active for almost fifty years around the world developing the profession and skills of project management. IPMA is known worldwide for its leading initiatives and products, working continuously to improve project management, such as for example: the IPMA Four-Level certification, International Competence Baseline (ICB) Standard, IPMA World Congress, IPMA Project Excellence Award, IPMA Research Award and the IPMA Young Crew.

The IPMA World Congress has for several decades been the leading world conference on project management, bringing together business professionals, practitioners, managers and representatives of global companies, leading scientists, educators, professors and students, representatives of various sectors and occupations, NGOs and the media.

Over the three days of the congress the world of project management will be brought together through professional and academic papers, position papers, presentations of best practices or significant case studies, posters, training materials, book & software presentations, tutorials, round tables, special sessions and workshops.

The 27th The IPMA World Congress, under the title "Finding Balance and Moving Forward" will be held from 30 September to 03 October 2013 in Dubrovnik, Croatia, in the Valamar Resort Babin Kuk (http://www.valamar.com/hr/lacroma-hotel-dubrovnik). The congress is being organized by IPMA and CAPM (the Croatian Association for Project Management - www.capm.hr), with the Civil Engineering Faculty of the University of Zagreb www.grad.unizg.hr, the International Cost Engineering Council (ICEC) - www.icoste.org and the “Baltazar Adam Krčelić” College of Business and Management (www.vspu.hr) as co-organizers.

We would like to invite you to take part in the IPMA World Congress 2013 and contribute to the development of the project management profession. Come to Dubrovnik to improve your project management competences and thus push your projects forward. We will welcome you to the City of Dubrovnik, the historical republic from 1358-1808 (http://www.tzdubrovnik.hr), whose cultural monuments still today bear witness to projects from past centuries.

Mladen Radužković
Chair of the 27th IPMA World Congress, Dubrovnik, Croatia 2013
University of Zagreb & Croatian Association for Project Management, Member of IPMA
AICE Day 2012 took place on 23 November and explored new Economic Engineering paradigms and models for future challenges. The moderator was Eng. Massimiliano Arena, Vice President AICE.

Dr. Emmanuel Banchi, AICE President spoke of the AICE’s relevance and importance in promoting a specific culture through Cost Engineering training, publications and services. Of particular interest are:

- Total Life Cycle Cost Management
- Project Controls
- Forensic Applications

In addition, Mr Banchi delivered a presentation on Models for Project Control Implementation developed by Eng. Nicholas Odero, which highlighted areas for industry improvement.

Contributions were made by Dr. Valeria Braidotti and Dr. Melisa Constantine of Siemens Italy, who spoke on the process of management of the Siemens Group in Project Management (PM @ Siemens), highlighting possible synergies with areas of Economic Engineering. Eng. Paolo Ponzio of European Space Agency (ESA) outlined the operational context of the Cost Engineer in the aerospace sector, bringing direct experience gained in the Agency, with particular focus on the relationship between Cost Estimation and Project Execution.

The afternoon was devoted to the examination of professional networks and associations at national level (with Eng. Francesco Solustri, member of the Board of Directors AICE) and European (with Eng. Gianluca Di Castri, Past President AICE) and the President of ACostE (UK), Mr. Alan Barltop.

Feedback collected was very positive with participants expressing appreciation for the day’s discussions.

We take this opportunity to thank again all those who have joined the initiative, and in particular Italy IPMA (International Project Management Association member), represented by the Director of Certification by Mr Giuseppe Pugliese.

AACE International has announced that Benjamin Carson, Sr., MD, recipient of the highest civilian honor awarded by the President of the United States, will be the motivational keynote speaker at the 2013 Annual Meeting June 30-July 3 in Washington, DC.

Dr. Carson had a childhood dream of becoming a physician. Growing up in a single parent home and being challenged by dire poverty, poor grades, a horrible temper and low self-esteem appeared to preclude the realization of that dream, until his mother, with only a third-grade education, challenged her sons to strive for excellence.

Young Ben persevered, and today is a full professor of neurosurgery, oncology, plastic surgery and pediatrics at the Johns Hopkins School of Medicine, where he has directed pediatric neurosurgery at the Johns Hopkins Children’s Center for over a quarter of a century. He became the inaugural recipient of a professorship dedicated in his name in May, 2008 and is now the Benjamin S. Carson, Sr., M.D. and Dr. Evelyn Spiro, R.N. Professor of Pediatric Neurosurgery.

To register for the Annual Meeting, go to http://www.aacei.org/am/currentAM/
The Hong Kong Institute of Surveyors Launches
The HKIS Valuation Standards 2012 Edition

The Hong Kong Institute of Surveyors (HKIS) is pleased to announce the launching of the HKIS Valuation Standards 2012 Edition (the Standards). The Standards have been updated with the latest changes and developments in valuation practice internationally.

The primary objective of the Standards is to provide guidance to members of the HKIS to follow when preparing valuation reports in Hong Kong and overseas, where applicable.

The demand for professional services on property valuation escalated in recent years. There have been significant changes in the International Valuation Standards which was published by the International Valuation Standards Council, of which HKIS is a Valuation Organization Member.

HKIS is committed to secure a set of common valuation standards which is acceptable worldwide. This prompted the need for closer look on standards of valuation practice in Hong Kong. In this regard, the General Practice Division of HKIS had initiated action to update and enhance the then existing standards, viz the HKIS Valuation Standards on Trade-related Business Assets and Business Enterprises and the HKIS Valuation Standards on Properties. The revised document was endorsed by the HKIS General Council in late 2012.

A grace period of 3 months for adoption of the Standards will lapse on 31 March 2013. With effect from 1 April 2013, all members of HKIS must comply with the Standards. to be continued.

HKIS GPD Chairman Sr Francis Ng said, “The HKIS Valuation Standards will make Hong Kong valuation practice keep pace with the international standards.

All members of the HKIS are obliged to follow the Standards when preparing valuation reports which will ensure that valuation practice in Hong Kong is at the highest standard around the world.”

The document can be downloaded free of charge at www.hkis.org.hk.

NEW EDITION OF THE DACE PRICES BOOKLET

On 19 November 2012, the 29th edition of the DACE Price Booklet was released! The first DACE Price Booklet was published in 1959.

Target prices for the industrial process

Practical and indispensable at:
• Estimation of project
• Balancing Cost of alternative models
• Verification of tender prices
• Comparison own prices with market prices

This 29th edition of the DACE Price Booklet helps users to compile and compare cost estimates for industrial processes. The booklet provides costs for virtually every part of a process plant and current ratios per m² area for production, warehouse, office and laboratory buildings. It also includes building component prices for construction, installation, technical and civil engineering components. The costs reflect actual costs and are not merely a reflection of list prices.

The DACE Price Booklet is provided by members of the DACE Special Interest Group Cost Engineering Processes who are cost experts in the field. Copies of the DACE Prices booklet may be ordered online on the DACE website at:

www.dace.nl
DACE - Netherlands

The Dutch Association of Cost Engineers (DACE) formally announced the appointment of a new Chairman, Mr Robert de Vries on 1 November 2012.

Robert is Director of the Project Management Office at Stork Technical Services and is very familiar with the world of Cost Engineering and contracting from within.

The association acknowledges the contribution made by outgoing Chairman, Mr Robert Arno Role to the growth of DACE and wishes him every success as the new editor of COST and VALUE.

More information about Robert can be found on the DACE website www.dace.nl.

DACE Chairman, Mr Robert de Vries

AEIPRO - Spain

17th International Congress on Project Management and Engineering

The Universidad de la Rioja (UR), through its Mechanical Engineering Department, and the Spanish Project Management and Engineering Association (AEIPRO), are pleased to announce the 17th International Congress on Engineering and Management Projects.

This event will be held in the city of Logroño from 17 - 19 July 2013. You can find more information about the topic areas and deadlines at the Congress website.

The Congress will provide an international forum for all academics, researchers and professionals to discuss matters related to the project world, and to present and share their research results.

We encourage all specialists in the academic and business sectors to participate.
Australia

THE INFINITE VALUE AWARDS

2012 has been a time of significant change for the AIQS. Following a relocation from Canberra to Sydney, a new office and a brand new team we have approached this year full of enthusiasm for what we can achieve as an organisation. Whilst we continue to be dedicated to upholding the highest standards of professionalism within our membership offering and promoting the skills and services of its people, we also recognise the need to keep up with the times and embrace the changes of a dynamic market. If the industry moves we have to move with it.

That said, the past nine months have paved the way for an already brighter future with the launch of the inaugural Infinite Awards. In an endeavour to honour the hard work of, not only our members, but the affiliated professions within the construction industry, we are delighted to have developed this International Awards Program.

Aptly named, the Infinite Value Awards, they seek to reward, recognise and promote our often over-looked community of construction professionals through a vibrant and integrated communication campaign.

This year the campaign spanned an impressive six month period, culminating in the glittering Awards Presentation Gala Dinner held in Melbourne in October 2012.

For us, the name Infinite Value itself is pertinent on many levels. It hints at the literal value that our members add to their work, and the industry at large, but more importantly introduces the inspiring notion that this value has no bounds as we strive to better ourselves and continually rise to the demands of our clients.

In these challenging economic times, here at the AIQS, we aim to support and champion the profession in whatever way we can. It is important to remain focused and look to the future, but we feel that these awards enable us to take a moment to reflect on and celebrate the accomplishments already achieved.

Congratulations to all of our finalists and winners of the 2012 awards program and thank you for the value that you have added to our growing community.
AACE / ICEC Discussion Forum

The AACE have set up a special ICEC Discussion Forum on their well-renowned online discussion forums. The following provides an overview of the AACE forums and the ICEC forum.

The AACE Discussion Forum

AACE’s forums are online learning communities accessible to both AACE members and the general public. In addition to detailed and sometimes lively technical discussions related to all areas of cost engineering, these web-based discussion tools also facilitate internal communications within various AACE boards and task forces. They are organised by topical area. The General, Technical Committee and Special Interest Group areas are public forums open to all; while the Boards and Specialty areas are private forums with restricted access to facilitate the working of the Association.

The forums are designed to encourage user participation through posting questions and discussing topics, and they provide a great means for networking and professional development.

“In today’s fast-paced business world, internal and external customers demand quick and exacting answers to technically challenging questions. I have found AACE’s forums to be a valuable resource for posing questions, having my peers technically challenge my thinking, and expanding my horizons as a cost engineer by following issue threads of problems and suggested solutions by subject matter experts. All in a matter of hours, if not minutes, you can be assured to receive multiple quality answers to your ‘Gordian Knot’ problem through AACE’s forums. Of the half-dozen technical web sites I frequent, AACE’s technical discussion forums is at the top of ‘must use’ resources - Donald McDonald, Executive Director, Fluor Enterprises, Inc.

In order to use the AACE International Forums, you must register. This is as simple as visiting www.aacei.org/forums and clicking on “Register” in the top right-hand corner of the screen.

After you have registered, it is recommended that you edit your profile so that you get email alerts of new forum messages in your areas of interest. Under “E-mail Notification” select those item(s) for which you wish to receive an automatic e-mail message from this discussion board. It is also recommended that under “Additional E-mail Notification Settings” you have “My own posts” and “Replies to my posts” checked, and “Send E-mail notification as HTML text rather than plain text” unchecked.

The ICEC Discussion Forum

The ICEC forum within the AACE Discussion Forum is a closed forum so there is one extra step to to register. If you scroll down the website you will find the ICEC forum under the ‘Specialty’ section. The process for joining the ICEC forum is as follows:

1. Register for a forum account (go to www.aacei.org/forums then click “register” in the top right-hand corner)
2. Send an e-mail to Christian Heller (cheller@aacei.org) requesting access to the ICEC forum.

With the second step it would be a good idea to briefly explain who you are and Christian will grant you access. It is worth noting that everyone who registers on the ICEC Forum will receive an email alert each time someone posts to the ICEC Forum. That way you will be able to keep a tab on posts.
ICEC’s International Network

Founded in 1976, the International Cost Engineering Council (ICEC) is a not for profit organisation that promotes cooperation between national and multinational cost engineering, quantity surveying and project management organisations around the globe.

ICEC member organisations or “societies” are located in more than 40 countries, and have chapters or sections in other countries. Collectively, ICEC members total 120,000 in more than 120 different nations.

Delegates from each member society attend regular meetings where subjects of common interests are discussed and explored. Each member society has one vote on the Council.

International Framework

ICEC is a global group of cost engineering, quantity surveying and project management societies which acts to promote worldwide exchange of project cost management information and experiences. The organisation is divided into geographical regions, namely:

Region 1 North and South America;
Region 2 Europe and the Near East;
Region 3 Africa; and
Region 4 Asia Pacific.

A Region Director is appointed to oversee ICEC’s activities within each region. Through our regional structure, and as an organisation as a whole, ICEC endeavours to:

- Encourage the conduct of regional and worldwide congresses, meetings, forums, and seminars;
- Promote co-operative research and technical activities among the member societies;
- Promote development of standards for accreditation and recognition of cost engineering (CE), quantity surveying (QS) and project management certification programs offered by the member societies;
- Encourage national and international networking among the members of all ICEC societies; and
- Develop international standards for terminology in CE, QS and project management.

ICEC’s Accredited Certification & CPD Program

ICEC Member Associations may seek ICEC accreditation of Cost Engineering, Quantity Surveying, and Project Management certification and continuing professional development programs (CPD), provided that these programs meet ICEC’s standards for recognition.

People qualified under any of these accredited programs are entitled to use the International Cost Engineering Council name and logo and the post-nominals ICECA to designate their achievement.

In order to obtain ICEC accreditation for Project Management programs, the applicant organization must demonstrate that their programs fully meet the standards adopted by the International Project Management Association (IPMA).

For further details please refer to the ICEC website at:
http://www.icoste.org/accred.htm

ICEC Member associations desiring accreditation of certification and continuing professional development programs may apply on-line. Member association should address any questions to Peter Smith, ICEC Secretary-General.
MEMBERS OF THE INTERNATIONAL COST ENGINEERING COUNCIL

The following is a list of ICEC member associations as at December 2012. Member societies of ICEC are generally national associations or institutes. Many member societies however have members in other countries. Some Member societies have sections or chapters in several countries. The initials CE, QS, and PM denote cost engineering, quantity surveying, and project management societies respectively.

REGION 1 – NORTH AMERICA AND SOUTH AMERICA

AACE (AACE – International) (CE);
AACE Toronto Chapter;
GOGRC (Grupo OFC Guia de Costos) (CE);
IBEC (Instituto Brasileiro de Engenharia de Custos) (CE);
SMIEFC (Sociedad Mexicana de Ingeniería Económica, Financiera y de Costos) (CE).

REGION 2 – EUROPE AND THE NEAR EAST

ACostE (Association of Cost Engineers – United Kingdom) (CE);
AFITEP (Association Francophone de Management de Projet) (PM);
AEIPRO (Asociación Española de Ingeniería de Proyectos) (Member 2003 – 2006) (PM);
AICE (Associazione Italiana d’Ingegneria Economica) (CE);
CAPQS (Cyprus Association of Professional Quantity Surveyors) (QS);
DACE (Nederlandse Stichting Voor Kostentechniek) (CE);
FDPM (Foreningen for Dansk Projektledelse / Danish Project Management Association) (PM);
GTE / MKK (GTE Cost Engineering Club) (CE);
CICES (Chartered Institution of Civil Engineering Surveyors) (QS);
PMA (Projekt Management Austria) (PM);
PMG (Project Management Greece) (PM);
RACE (Romanian Association of Cost Engineering) (CE);
SPPR (Spolocnost pre projektové riadenie / Project Management Association of Slovakia) (PM);
VSF (Verkefnastjornunarfelag Islands / Project Management Association of Iceland) (PM);
ZPM (Slovenian Project Management Association) (PM).

REGION 3 – AFRICA

ASAQS (Association of South African Quantity Surveyors) (QS);
GhIS (Ghana Institution of Surveyors Quantity Surveying Division) (QS);
INQS (Institute of Namibian Quantity Surveyors) (ICEC Associate Member) (QS);
IQSK (Institute of Quantity Surveyors of Kenya) (QS);
MAQS (The Mauritius Association of Quantity Surveyors) (ICEC Associate Member) (QS);
NIACE (The Nigerian Institute of Appraisers and Cost Engineers) (CE);
NIQS (Nigerian Institute of Quantity Surveyors) (QS);
SAPCI (Southern African Project Controls Institute) (CE);
REGION 4 – ASIA PACIFIC

ACES (Australian Cost Engineering Society) (CE);
BSIU (Building Surveyor’s Institute of Japan / Nihon Kenchiku Sekesu Kyokai) (QS);
CECA (China Engineering Cost Association) (CE);
FIQS (Fiji Institute of Quantity Surveyors) (QS) (ICEC Associate Member);
HKIS (Hong Kong Institute of Surveyors) (QS);
IPMSL (Institute of Project Managers of Sri Lanka) (PM);
IQSSL (Institute of Quantity Surveyors of Sri Lanka) (QS);
RISM (Royal Institution of Surveyors, Malaysia / Pertubuhan Juruukur Malaysia);
NZIQS (New Zealand Institute of Quantity Surveyors) (QS);
PMAI (Project Management Associates – India) (PM);
SISV (Singapore Institute of Surveyors and Valuers, Quantity Surveying Division) (QS).