



September 2013

News Update

The Newsletter of the UpCountry South Carolina Section,
AACE International

President's Message

Members,

Topics for the New Year

For this coming year, I thought it might be appropriate to focus on trends in our Industry that will be impacting us. In our initial presentation, we have looked at where technology is driving us from a design viewpoint. This includes the innovative solutions that are being introduced and utilized by some companies.

At our next meeting in October, I will be discussing new Project Controls and Estimating tools and work processes that our companies may be looking at. The intent is to prepare us for the next wave of innovation to hit our profession. Data integration, not data manipulation will be the mantra of the future. We must become adept and proficient with our future tools in order to be a successful professional. And then in November we will focus on the new skills that will probably be required for Project Controls and Estimating professionals. Efficiency and an analytical skill set is going to be a requirement of the future and we must prepare to embrace it.

The point I am trying to make is that we are in an environment of constant change. One way to stay up to speed with the change that is coming is to belong to an association that presents these new innovative ideas and tools to you. Whether it be through AACEI, PMI, ASPE or a more local organization, it is becoming more important that you belong to a technical organization. It is up to each of you to determine how best to manage the change that is coming. I believe belonging to AACEI and maintaining a strong section is one key to everyone's future success.

Regards, Bob Boyd

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Section Announcements

Certification!!

AACEI offers 7 certifications.

1. Certified Cost Technician (CCT)
2. Certified Cost Professional (CCP)
3. Planning and Scheduling Professional Certification (PSP)
4. Earned Value Professional Certification (EVP)
5. Certified Forensic Claims Consultant (CFCC)
6. Certified Estimating Professional (CEP)
7. Decision & Risk Management Professional (DRMP) Certification

For descriptions and requirements regarding each of the above certifications, go to the AACEI web page (<http://www.aacei.org/educ/cert>). And for educational literature to help you with these exams, visit the AACE Online Bookstore (<http://www.aacei.org/technical/ppg.shtml>) where you can order Professional Practice Guides, Recommended Practices and other AACEI merchandise.

In recognition for those Section members that have AACEI certifications, the following Honors Roll is being published so that you may call upon these Subject Matter Experts when needed.

HONORS ROLL

<i>CCP</i>	<i>PSP</i>	<i>CEP</i>	<i>EVP</i>
Firas Al-Damook	Donald McDonald	Robert Boyd	Doug Findley
Donald McDonald	Robert Boyd	Jeff Bannister	Eric Marcantoni
Davis Berry	Steve Sanders	Stan Ellzey	Steve Sanders
Robert Boyd	Doug Findley		
Doug Findley			
Becky Spencer			
Glen Joseph Colaco			
Alan Wilson			
<i>CFCC</i>			
Doug Findley			

Please contact Stan Ellzey (stanellzey@charter.net) if you have any questions or need assistance regarding any of the certifications or workshops mentioned above.

And with the recently released CBT program, testing can occur whenever it is convenient for you. Just visit the AACEI website and follow the links to register and schedule your date for the exam. The test location for Greenville, SC is at:

Greenville Technical College Distance Edu TC
506 South Pleasantburg Drive, Building 112, Room 350
Dental Technology Building
Greenville, South Carolina
United States 29607



AACE News

AACE App Get Your Free App Today

AACE is pleased to announce the release of its free App! Help promote AACE with the App - show your colleagues just a sample of what AACE has to offer while you're gathered around the water cooler.

Scan the QR code to access the App or search for "AACE International" from the App/Google Play Store.



Data rates may apply. Check with your service provider for more information.

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ENR Cost Indexes Celebrates 100 Years AACE International Members Invited to Comment

Engineering News Record's cost indexes, which are used to track inflation in the construction industry, are celebrating their 100th birthday this year.

ENR reporter Scott Lewis is writing an article about the role the indexes play in the industry. He would like to get comments from AACE members who use the indexes about how they use them, and how the indexes help them to do their jobs.

Please contact Scott directly via [email](#) or phone +1.212.904.3507. He is based in New York.



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AACE International Announces Dues Increase Only Second Increase in Past 14 Years

The AACE International Board of Directors announced that regular membership dues for 2014 will be \$160. This represents only the second time the Association has raised dues since 2002. In order to maintain the actual purchasing power represented by \$130 in 2002, dues would need to be set at \$168.33 according to the US government consumer price calculator. Local section dues will receive \$18.00 rather than \$16.50 in 2014.

"With expenses continuing to rise and AACE International services and benefits expanding to meet the need of a dynamic, involved and diverse membership, it was apparent that we



needed to bring dues to a level to support our crucial mission. Even with the planned dues increase, we believe our members receive a tremendous value for their dues investment when compared to our peer professional associations," commented Executive Director Dennis Stork.

The dues increase will be reflected in 2014 renewal statements for memberships expiring on or after December 31, 2013. Members joining for the first time may join AACE International for a 15-month period for the current dues of \$160 plus a \$10 processing fee as of October 1, 2013. The new dues increase will also change the Corporate and Organizational Membership Program which will now be set at \$1,280 annually, an increase that mirrors the cost of the eight (8) memberships that are included in the price of COMP membership.

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Latin American Cost Management Symposium
October 16-19 in Three Latin American Countries

AACE International will conduct educational meetings in three Latin America countries from October 16-19, 2013 to explain the importance of total cost management in today's global economy. Entitled the AACE International Latin America Cost Management Symposium, the meetings will be October 16 in Lima, Peru; October 17 in Santiago, Chile and October 19 in Sao Paulo, Brazil. The sessions are sponsored by the AACE International sections in Peru, Chile and Brazil respectively and coordinated through the association's Latin American Task Force.

Dick Faris, Senior Vice President of Oracle Primavera, will be the keynote speaker in each of the three venues. His topic is 'Past, Present, and Future of Enterprise Project Portfolio Management'. Among the other speakers are Nelson Bonilla, AACE International Past President/Global Operations Project Controls, Fluor, Juan Contreras and Aldo Mattos, AACE Latin America Task Force Chairs and Section Presidents of Chile and Brazil, Travis Mattern, EcoSys, James Galatoire, Project Controls Manager-LATAM Bechtel, and Luis Gonzales, Project Control Manager, GMI.

The registration process and fees for the meetings are being finalized and will be announced in the near future. To be placed on an email distribution list for registration information, please email LatinAmericanShowcase@aacei.org.

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Federal Agency Roundtable on Total Cost Management
October 18, 2013 in Washington, DC

AACE International will host its third Federal Agency Roundtable on October 18 at the 20 F Street, NW Conference Center in Washington, DC from 8:30 am to 12:30 pm, according to Kim Hunter, EVP, Chairperson of the Government Relations Committee for the Association. The 20 F Street NW Conference Center is conveniently located on Capitol Hill and within walking distance of Union Station.

"Government agencies are challenged in 2013 and beyond to complete projects in the most cost efficient way possible, using both available dollars and human resources wisely. Government leaders are working in an environment where they have to produce greater



AACE Upcountry South Carolina Section

Clemson, Greenville, Spartanburg & Surrounding Areas



results faster, and for less money. This third roundtable will be a continuation of our exploration of total cost management issues that impact the federal government and contractors that serve that sector," Hunter commented. Specific topics and speakers will be announced in early September.

Program managers and project controls professionals involved in the federal government are invited to participate in AACE International's the roundtable to exchange best practice advice and concerns with professionals from government agencies. Registration is free to government employees involved in the practice of total cost management while contractors who are AACE International members may attend for \$35 and non-members may attend for \$50.

[Go here](#) to register to attend. Alternately, contact Teri Jefferson via [email](#) or phone at 304-296-8444, ext. 120.

AACE International's Meetings and Conferences!!

Never too early to start planning for the 2014 annual meeting that will be held in New Orleans and will focus on Energy and Petroleum. The 2015 annual meeting will be held in Las Vegas and will focus on Mining.

UpCountry South Carolina Section's Website!!

Please visit our web site that is being maintained by Becky Spencer. It contains some job postings for those of you that are unemployed. Feel free to provide feedback to Becky or Bob Boyd on comments/ideas that you believe would enhance the website.

<http://upcountry-aacei.org/welcome.html>



September 2013 UpCountry SC Section Meeting Recap

The AACE Upcountry South Carolina Section held their first monthly meeting of the 2013 – 2014 year on September 10th at the Jacobs Engineering office in Greenville. There were sixteen attendees representing six different companies. Bob Boyd, president of the Upcountry Section, kicked off the meeting welcoming our newly appointed officers and board members. Bob discussed future meeting topics that will occur over the next few months.

Unfortunately, due to technical difficulties, the planned video presentation on Integrated Cost-Schedule Risk Analysis by Dr. David Hulett and Mr. Michael Nosbisch could not be played and it is hoped it can be played at a future meeting. As an alternative, a video titled “The Innovation Continuum” was presented. This was a video developed by Autodesk, Inc and presented by Brian Matthews who is their Group Chief Technology Officer.

Presentation Video

“The Innovation Continuum”

Bob Boyd presented a video presentation to the group for the evening. The video focuses on the following Technology Trends:

- Reality Capture
- Cloud Data
- Infinite Computing
- Digital → Analog
- Network Effect

Currently, every 10 years or less, at least 5 new technologies are being developed and introduced into society. Some of these relate to design issues which must be implemented in order to compete better in the future. Every new technology goes through a ‘Curve of Innovation’ which starts with the Impossible, moves the idea to Impractical, and then on to Practical, to Expected and finally to Required. This can be better described as follows:

1. Impossible – Start out with an idea that is impossible
2. Impractical – Invents something new
3. Practical – Overtime it become practical, customers starts to understand it
4. Expected – Customers begin to expect it
5. Required – Its’ written in the contract. Government has a regulation around its use.

The strategic value of when a company should implement or adopt a new technology is when you can deliver something that has productivity and competitive advantages/benefits before your competitors can duplicate. Every company should know what their strategy is and how they plan on using technology to achieve it. The strategic goal for a company may be to get maximum competitive separation from its competitors. One way of doing this is start working on the technology idea in the Impractical section of the Innovation Curve and selling it before others begin looking at it in the Practical section. Another strategy of being competitive can center on customer service, quality and cost, with technology as just another variable.

The video then described the following technology trends that are impacting Design and reshaping the design world of today and the future.



1. Reality Capture: Taking the analog world and converting it to digital. Laser scanning equipment captures reality and converts it to a digital BIM model. In the digital world, simulations can be run to find the optimum design. Example, reality capture can include detecting how much heat can come through windows and the design model can then provide the optimum design specs for this environmental input.
2. Cloud Data: storing massive amounts of data being captured and making it useful by using the equipment contained in the cloud to make massive amounts of calculations or computations. This includes capturing data from a city's infrastructure by scanning various sections of a city and storing it all in one location.
3. Infinite Computing: Taking computations from the cloud and returning it to local stations (users). This allows teams in different remote areas to view various models taken information from the cloud and turn it into simulations that can be used to solve complex problems or provide optimum design calculations. Also the cloud has a different cost curve (linear cost curve) which allows infinite computing to occur essentially free.
4. Digital – Analog: Transferring data to analog thru computer generated visualization methods. One method on the market is 3D printing. 3D printers cost about \$1,000 and roughly 75% of their components can be 3D printed. Over 50 different materials can be used to print/manufacture products.
5. Network Effect: Essentially is bundling all of the above ideas together. An example is the self driving car which requires essentially no human interaction. The system in the car captures reality, does the computations and transfers the necessary data to the car's operating systems to allow it to be a hands free vehicle.

Bob concluded the video presentation and it is available upon request. The sections next meeting is scheduled for October 15th.



2013/14 Meeting Schedule for AACE UpCountry SC Section

<i>Description</i>	<i>Day of Week</i>	<i>Date(s)</i>	<i>Presenter & Topic</i>
UCSC Dinner Meeting	2 nd Tuesday	09 Apr 2013	Sealed Air “Greenway” Tour at Cryovac’s Manufacturing Plant in Simpsonville
UCSC Dinner Meeting	2 nd Tuesday	14 May 2013	Doug Findley – Discovering New Technology
UCSC Dinner Meeting	2 nd Tuesday	10 Sep 2013	Brian Matthews – The Innovation Continuum (Autodesk video)
UCSC Dinner Meeting	2 nd Tuesday	15 Oct 2013	Robert Boyd – 5D BIM & Integration of Systems
UCSC Dinner Meeting	2 nd Tuesday	12 Nov 2013	TBD - Project Controls/Estimating Skillset Needed
UCSC Social Meeting	TBD	06 Dec 2013	Christmas Social (Tentative)
UCSC Dinner Meeting	3 rd Tuesday	14 Jan 2014	John Madonna + Panel – Using Mobile Solutions in the Field
UCSC Social Meeting	2 nd Tuesday	11 Feb 2014	TBD – Capturing Historical Data
UCSC Dinner Meeting	3 rd Tuesday	11 Mar 2014	Becky Spencer – ICAR Tour (Tentative)
UCSC Dinner Meeting	2 nd Tuesday	08 Apr 2014	Mark Spencer – O&M and Life Cycle Cost from an Owner’s Perspective
UCSC Dinner Meeting	2 nd Tuesday	13 May 2014	Donald McDonald + Panel – Mock Presentation
UCSC Dinner Meeting	TBD	TBD	Tour of GE’s Facility
UCSC Dinner Meeting	TBD	TBD	John Livingood – Claims + Claim Law
UCSC Dinner Meeting	TBD	TBD	Future Presentation on How to Prepare for the CCE exam