

From the Editor

Working the Supply Side

This past April I had the opportunity to attend the National School Board Association annual conference. Along with a teacher from a local high school and a school board member from that high school, I was representing UC's College of Engineering as we presented a collaborative program involving schools, industry and the college. Some of the significant characteristics of the program include:

- Classroom time is spent almost entirely in project activities where the students work in teams to solve open-ended problems. The high school instructors lead these projects.
- Students learn about engineering through instructional modules developed by the college and provided via the web.
- Practicing engineers visit the classroom and students have the opportunity to visit engineering and technology businesses.

This year, we added a new element at one of the schools. Working with General Mills, we developed a “design challenge” in which the students were presented a problem faced by that business and they were given the opportunity to recommend solutions. Students had a number of opportunities for interaction with the business: a plant visit, working with the engineers when they visited the classroom, and making a presentation to the engineers and plant manager to discuss their recommendations.

What was so encouraging to me was that both the students and General Mills benefited and enjoyed this process. While it took a bit of work for the business to make this happen there was a strong commitment

to continue this type of interaction in the coming years.

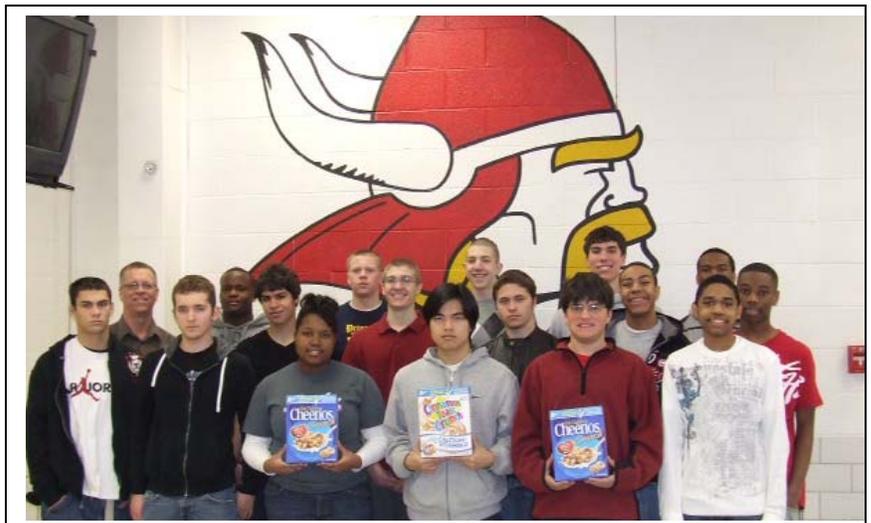
The school board member, a retired R&D engineer, suggested we share information about the program to encourage other school districts to do something similar so that other students might have these kinds of opportunities. The interest from school board members and school superintendents was significant. It is obvious that many schools are seeking to update their educational offerings and are open to innovative means to do so.

Engineering and technology programs provide schools an exemplary mechanism to help students develop meaningful skills – problem solving, teamwork, critical thinking – that traditional curricula have not achieved.

Through our work in continuing engineering education, we all have contacts with businesses and universities. I encourage each of you to find a way to connect with a local K-12 school and make a difference for students in your area. Some of the students you impact will one day attend your university and join your business.

Eugene Rutz, Editor

(email comments / rebuttals / kudos to eugene.rutz@uc.edu)





Chair's Corner

It is disheartening to see how our economy is affecting the higher education system and in particular the continuing education units that represent most of our membership. We have seen entire divisions eliminated or absorbed into academic areas, staff not replaced, budgets slashed and at the least, staff travel decreased or frozen. Given these circumstances surrounding us we must remain optimistic and continue to provide quality programs and services. I am hoping that many of you are still able to keep the ASEE and CPDD projects and activities on the forefront as a priority at this time; networking, information gathering, and learning from each other are still important in growth and skill building.

By now, I hope you have made plans to attend this year's ASEE conference in Austin, Texas. Keith Plemmons is the CPDD program chair for the ASEE conference and he has been working on coordinating this year's sessions. The conference information is at <http://asee.org/conferences/annual/2009/>.

This year's conference is Sunday, June 14 to Wednesday, June 17. We have planned the CPDD business meeting for Tuesday, June 16, 12:30 – 2:00 p.m. This is a ticketed lunch (\$30 ticket). Please make sure to include this meeting luncheon (#2422 CPDD Business Meeting Luncheon) on your registration.

We are also currently in planning for next year's CIEC to be held in Palm Springs, CA. Paul Jewell, CPDD's program chair, has provided an update on the sessions for the conference later in this newsletter.

If anyone has feedback to provide for conference planning or for the board's upcoming planning meeting this fall at Purdue, please feel free to send email to me at moser@purdue.edu.

I look forward to seeing everyone in Austin!

Julayne Moser, Chair
CPDD Executive Board

Kudos

Joseph M. Biedenbach Distinguished Service Award



Linda Krute
North Carolina State University
February 5, 2009 * Orlando, Florida

In recognition of her outstanding service to the continuing professional development of engineers and her noteworthy leadership and service within the Continuing Professional Development Division.

CIEC CPDD Program Chair – 1981, 1983 & 1998

SIG Coordinator-Media-Based Instruction (SIGMIP)–1998-2000

CPDD Chair – 2002-2003

CPDD Treasurer – 1998-2001

CPDD Director – 2007-2009

CIEC Co-General Conference Chair – 2008

CIEC Financial Chair

Continuous involvement with CIEC and CPDD as a Presenter, Moderator, & Mentor

Certificate of Appreciation

Lynda Coulson

Rolls-Royce corporation
2009 CIEC - CPDD Program Chair

Kim Scalzo

Rensselaer Polytechnic Institute
Outgoing Director - CPDD Board

Linda Krute

North Carolina State University
Outgoing Director - CPDD Board



Certificate of Merit

Greg Ruff

Auburn University
For Dedication & Outstanding Service as the
CPDD Treasurer

Nancy Kruse



CIEC 2009

This year's CIEC conference was held at the Disney property, Lake Buena Vista, Royal Plaza Hotel in Orlando, Florida, February 3rd through February 6th, 2009.

Conference participation was excellent with **186** folks attending our workshop and 10 CPD led sessions. Excellent numbers to report with the overall conference attendance at a total of 246 registrants!

Marie-Pierre Huguet's workshop on **Effective Tools, Techniques & Technologies** was a hit with 'hands-on' use of current equipment and technologies for

the Distance classroom. The 19 participants were incited with the technology including wikis, weblogs "blogs" and especially the flip video cameras whose use continued throughout the conference.

Wednesday, February 4th was designated as **Industry Day**. The day's events highlighted activities and sessions that showcase our Industry Partners. New this year was the CPD Cracker Barrel breakfast. Attendance was high and the time very productive discussing program trends and ideas. Thanks to attendees for wearing your school or corporation attire – it was a colorful room and all enjoyed the fun inspired bantering and camaraderie. Thanks to *Rolls-Royce Corporation* for providing a delicious lunch for all conference attendees during the CIEC 2008 and Corporate Members Council (CMC) award presentations.

The Conference Opening Reception..."Do you believe in Magic?" was truly magical and musical...a good time for all with costumes, music and dancing. The food was excellent and authentic - did you try the Alligator kabobs?

Lots of good ideas generated during the Thursday, February 5th Planning Meeting directed by Paul Jewell, CIEC 2010 Program Chair and Mark Schuver, SIG Chair, utilizing the flip video camera as a

medium. Please continue to forward any CIEC 2010 ideas to Paul Jewell at pjewell@iastate.edu.

The CPD Award Reception hosted 35 persons in a casual, mixer buffet at the hotel Thursday evening. See Nancy Kruse's report for the list of award recipients and the CPD website for the pictures.

Thanks to all the CPD presenters, moderators, evaluation and AV helpers. Your leadership and willingness to assist is a tremendous asset to the Continuing Professional Development (CPD) organization. Thank you for sharing your time and talents. It was my pleasure to serve as this year's CPD Program Chair 2009. May we continue to learn from and inspire each other.

Lynda Coulson

2009 Program Chair and Board Member

ASEE Annual Meeting June 14-17, 2009 Austin, TX

CPD has a number of events and presentations for you at the ASEE Annual Meeting. Please join us in Austin!

Sunday, June 14

9:00 a.m.-Noon

Austin Convention Center, 9C

Workshop 0222: Choosing Tools and Technologies for the Blended Engineering Classroom

Ticketed Event - \$60 advanced, \$70 on site. In this hands-on workshop, participants are led through a series of mini presentations, discussions, and activities that will enable them to identify the tools, techniques, and technologies that work best for them, their course(s), and their institutions. They will create a draft for a small unit of instruction using some of the tools, techniques, and technologies presented during the workshop.

These include: course-design models, learning-management systems, synchronous and asynchronous tools, Web 2.0 technologies (such as podcasting, blogs, and wikis), HTML editors, and accessibility tools.

Presenter: Marie-Pierre Huguet, Rensselaer Polytechnic Institute

Sunday, June 14

1:30 pm-3:30 pm

Austin Convention Center, 4C

Session 0422: CPDD Executive Board Meeting

At this business meeting, the CPDD Executive Board will plan programs and activities.

Monday, June 15

7:00-8:15 a.m.

Austin Convention Center, 10B

Session 1122: Programs That Serve Industry and Academia

Colleges are increasingly extending their missions to serve working technical professionals as well as a traditional student body. In many cases, these programs are distinct. In this session, we explore programs that purposefully intersect in order to benefit professionals and traditional students. Experienced educators describe the successes and challenges of these programs.

Moderator: Keith Plemmons, The Citadel

Embedding Faculty Into Industry: Understanding The Real World Expectations Of Our Graduates

Dan Baldwin, John Ludwick, and Kevin Marshall, Indiana University-Purdue University, Indianapolis

Master Of Engineering Program As A Mechanism To Provide Relevant Graduate Education To Working Professionals

Eugene Rutz and Timothy Keener, University of Cincinnati

Using Distance Learning For Cad-Based Training And PLM Education Of Incumbent Engineers

Daniel Wittenborn, Michael Richey, and John Paredes, Boeing Company
Daniel Schrage and Dale Atkins, Georgia Institute of Technology

Developing And Delivering An Online Course In Construction Estimating

Zhili (Jerry) Gao, Zhi GE, and Charles McIntyre, North Dakota State University

Monday, June 15

10:30 a.m. -Noon

Austin Convention Center, 19B

Session 1322: Assessing the Efficacy of Nontraditional Programs

Nontraditional programs have the opportunity to meet the needs of particular groups of learners or to address varying learning styles. But are these programs effective? This session explores the ability of nontraditional programs to effectively meet learners' needs.

Moderator: Julayne Moser, Purdue University

Incorporating Learning Styles Into Continuing Engineering Education: A Process Heater Case Study

Charles Baukal and Wes Bussman, John Zink Institute

Assessment Of Innovative Environments That Address Intellectual Curiosity

Mysore Narayanan, Miami University

Educating Federal Engineers To Be Entrepreneurial Thinkers And Leaders – Who Would Of Thought?

Sharon deMonsabert, Mico Miller, and Barry Liner, George Mason University
John Lanzarone, U.S. Army Corps of Engineers

Using A Wiki For Professional Communication And Collaboration

Hugh Jack, Grand Valley State University

Tuesday, June 16

12:30 – 2:00 p.m. **Hilton Austin Hotel**

Room: Salon B

CPDD Business Meeting

Ticketed Event - \$30 advanced/\$40 on site

All members of the CPD Division are encouraged to attend this annual planning meeting. This is a great time to have your ideas heard and to meet fellow members.

Keith Plemmons

2009 Annual Meeting Program Chair

CIEC 2010

The theme for CIEC 2010 is, "Preparing the Workforce for the Global Marketplace", and CPDD is receiving submissions for workshops and sessions that speak to this important issue. Topics like, "Educational Support for Globalization: Working with Companies to Meet the Challenges of Cross Cultural Virtual Teams", "Building Quality into Online Professional and Technical Degree Programs", "Web 2.0 for the Business of Distance Education", "Preparing Faculty to Teach Continuing Education and Distance Learning Courses", "Customizing Course Delivery to Meet the Needs of the Industry Partner", "Project Management, From Idea to Online", "Leadership Training for Administrators of Distance Education Programs". We certainly encourage other topics that are of broad interest to the CIEC participants.

All divisions for CIEC 2010 are receiving great presentation submissions and this promises to be an excellent conference in beautiful Palm Springs, California.

Paul Jewell

2010 Program Chair



Re-printed below is an invitation letter from Paul Villeneuve, CIEC General Conference Chair, regarding the 2010 conference.

Dear CIEC First Time Attendee,
I hope that you enjoyed the 2009 CIEC held in Orlando during February. The CIEC is a unique conference in that its primary focus is to bring education and industry together. Further, many leaders in engineering education attended the conference and hopefully, you were able to make some great contacts.

We are continuing the great opportunity to enhance engineering education by offering the 2010 CIEC to be held February 3 to the 5 in Palm Springs, CA. I am personally inviting you to this conference and hope to see you there. The 2010 CIEC management team has been working very hard to put together an incredible program. We believe that this will be the best CIEC ever and that you will be able to get valuable information to bring back to your organization as well as develop the network of highly experienced professionals who are helping to improve engineering education. The management team also recognizes the tough economic climate and is committed to keeping the registration cost at or below the 2009 CIEC cost. As was the case for the 2009 CIEC, we are planning on having a special reception for 2010 first time attendees. I invite you to that reception as well to talk about your experiences and maybe offer some advice.

I look forward to seeing you in Palm Springs. If you have any suggestions or would just like more information, check out the web site at www.asee.org/ciec2010 or

contact me at (207) 581-2271 or paul@eece.maine.edu.

Elections Held at CIEC

CPDD Elections were held at the CPDD Business Meeting at CIEC. There were three members elected to Executive Board positions.

Kim Scalzo, Rensselaer Polytechnic Institute, was elected as Director (2009-2012),

Ray Fujioka, University of Southern California Viterbi School of Engineering, was elected as Director (2009-2012)

Greg Ruff, Auburn University, was elected as Treasurer (2009-2011).

Congratulations to all three. They took office at the end of the CIEC 2009 Conference in Orlando.

*Lynette Krenelka
Past Chair and Nominations Committee
Chair*

Modified Bylaws

At the CPDD Business Meeting at CIEC, members of CPDD voted to modify the Bylaws. The change for *IV. Election and Succession of Officers, E.I.* will read as follows when approved by the ASEE Board of Directors at the June 2009 meeting:

1. A Nominating Committee consisting of the past chair, chair-elect and one (1) active voting member of the CPD Division appointed by the past chair no later than the ASEE Annual Conference CPDD Board Meeting.

For a full copy of the CPDD bylaws go to: <http://www.asee.org/activities/organizations/divisions/bylawsCpd.cfm>