

The Voice - CPDD Newsletter

November 2008

From the Editor

Danger and Opportunity

If your job is secure, it has been a very interesting six months since the last newsletter. If your job is not secure, I'd pick another description, maybe a frightening six months. We've watched gas climb to over \$4 / gallon then fall to under \$1.80. We've witnessed the collapse of financial "giants" that seemed to take place about as quickly as the tragic bridge collapse over I-35. While no one in the administration seems willing to use the "R" word, outside observers are describing a global recession.



It doesn't take a crystal ball to predict that the next 6 months will be just as interesting and frightening. Those with better insight than I can tell you if it is 6 months, 12 months or 24 months.

A Chinese student I worked with told me a number of years ago that the ideogram for **crisis** was made up of two parts – **danger** and **opportunity**. As the new president prepares to take leadership of the country there is great danger of a deepening recession with significant unemployment. There may also be significant opportunity to focus on energy policy and infrastructure in the response to this crisis.

I'll leave those national policy debates to others for now. Even in our little corner of the education business however I see danger and opportunity. There's danger that companies that once sponsored education programs for their employees will find that they no longer have those resources. Participation could drop off so much we have to close programs and offices. There's danger that universities will face drastic cuts in state funding due to decreasing state

revenues such that administrations' decide they can't afford certain functions.

But there's opportunity.

- Workers will need to be retrained. There's an opportunity to significantly enhance the technical skills of a large number of the workforce.

- Providers of professional development programs will face the need to re-think how they provide programs, at what costs, and to what audiences. There's an opportunity to take a hard look at what we do and how we do it so as to provide a service that is more affordable.

- Universities and state systems will decide they can't have duplication of effort. Units may be combined, programs may be eliminated. There's an opportunity (I'll suggest a necessity) though to develop more substantial and functioning collaborations across departments, perhaps even between universities.

We have in the Continuing Professional Development Division individuals who are working on the front lines of these aspects of the current crisis. Moreover we know who to turn to for collaboration. Each of the Special Interest Groups provides a network of peers to learn from and to teach; take advantage of these networks. Use CPDD to help weather this crisis.



Eugene Rutz, Editor
(email comments / rebuttals / kudos to eugene.rutz@uc.edu)



Chair's Corner

This past October, I was pleased to host the CPDD Board to Purdue University for our annual fall planning retreat. This on-going planning activity is productive and provides board members an opportunity to work on the needs and issues of the division in a focused manner.

This fall's meeting centered on strategic planning. We identified an implementation and tracking plan, and assignment of strategies established in last fall's meeting. Some of our goals concentrated on increasing CPDD's membership, providing professional development opportunities for the membership, and working toward a succession plan to ensure ongoing and effective leadership of the division.

To accomplish these goals we will count on your help. Here are a few ways you can be a part of keeping our division successful with our strategic plan in mind:

- ✓ Tell others in your organizations about the values of being a CPDD member and the networking opportunities available,
- ✓ Be willing to volunteer to help moderate or collect evaluations for CPDD sessions and workshops at the annual CIEC and ASEE conferences,
- ✓ Consider taking on the responsibility of program chair for CPDD at the CIEC or ASEE conferences. We will soon be seeking a program chair for CPDD at the CIEC and ASEE Annual Conferences.

- ✓ Complete and submit our annual membership surveys so that we may learn of your concerns and expectations from your membership in CPDD. Give us your ideas about activities, conferences, etc.
- ✓ Attend the CIEC and ASEE annual conferences!

Registration is now open for the upcoming 2009 CIEC Conference in February 4-6 in Orlando. This year's conference theme is "*Engineering Magic: Partnerships for the 21st Century*". You will find more detailed information about CPDD sessions later in this newsletter from the CPDD Program Chair, Lynda Coulson. In conjunction with registration, you also have the opportunity to renew your ASEE membership. Registration and information is available at: www.asee.org/conferences/ciec/2009

Julayne Moser, Chair
CPDD Executive Board

NOMINATION SLATE

There will be two Director positions (three year terms – 2009-2012) and Treasurer (two year term – 2009-2011) open. If you are interested, please e-mail Lynette Krenelka at lynettekrenelka@mail.und.edu for more information. The positions will be voted on at the CPDD Business Meeting at the upcoming CIEC conference. The full slate of nominations will be forwarded to the membership at least 30 days prior to the Business Meeting.

Nomination Committee

Software Access to Distance Learning Students

As online learning grows in popularity, the challenge to provide distance students access to the same resources available to on campus students becomes increasingly

important. The Distance Engineering Degree Program (DEDP) at the University of North Dakota is currently using a product that helps to overcome the challenge of providing software to distance students. Citrix XenApp (Formerly Citrix Presentation Server) provides distance students with remote access to the same Engineering software that is provided in computer labs for on campus students.

The Citrix XenApp software application delivery system provides optimal performance for students and faculty accessing the software remotely. Using virtualization technology, a single copy of software can be installed and managed centrally. The main advantage of publishing applications using XenApp is that it lets students and faculty connect to these applications remotely, from their homes, work, smart phones, and other devices outside of the campus networks, as well as reducing the costs of support and maintenance.

The University of North Dakota began using Citrix XenApp during the Fall Semester 2007. Three courses were chosen to pilot the application. The students and faculty initially experienced some problems related to saving files. These issues were corrected by providing help documents and an explanation of the file saving process. Overall, the students were pleased with the usability and responsiveness of the applications accessed through Citrix. Citrix is currently being used in 11 Distance Engineering Degree Program courses to provide access to software such as MatLab, ChemCad, Ansys and Pspice. Over 75 students are currently accessing software remotely through Citrix.

As the demand for flexibility to do homework anytime, anywhere continues to grow, the need for remote access to on campus resources will increase. In the

future, products like Citrix will not only be used to meet the needs of distance students, but will also serve the needs of on campus students. This will enhance the overall learning experience and help to ensure that the same resources are provided to all students.

For more information on the Citrix XenApp application delivery system, please feel free to contact:

Corey Quirk
Online and Distance Education, University
of North Dakota
coreyquirk@mail.und.edu
www.citrix.com

The Distance Engineering Degree Program at the University of North Dakota is an online, ABET accredited program. For more information, please contact

Lynette Krenelka
University of North Dakota
800-342-8230 or (701) 777-2661.

Kudos

Best Paper

At the Summer Annual Meeting in Pittsburgh, Eugene Rutz with co-authors Chris Collins (University of Cincinnati) and Mani Mina (Iowa State University) was awarded PIC V Best Paper Award for "A Guided Tour of the Future of Education". The Paper dealt with student engagement and the ability of wikis, social networks and virtual environments to facilitate increased student interaction and active learning. Congratulations!!

Excellence in Engineering Education

Rolls-Royce Corporation is the proud recipient of the **2008 Excellence in Engineering Education Collaboration Award.**

This award presented by the CMC (Corporate Member Council) during the 2008 CIEC (Conference for Industry and Education Collaboration) recognizes CMC member companies that demonstrate outstanding collaboration with colleges, universities and K-12 programs to impact engineering education.

Rolls-Royce was recognized along with its university partner, Purdue University, for the design, delivery and impact of a Masters of Science degree program that advances analytical and problem-solving skills in technology applications and enhances the technological focus of the engineering workforce of Rolls-Royce.

This *Masters of Science in Technology* degree provides a customized curriculum that equips the Rolls-Royce employees (students) with a relevant education that can be applied directly to work situations. Students engage in varied instruction methods, including work teams, targeted guest speakers as well as independent study. Most notably, the inclusion of a Rolls-Royce directed project instead of the more traditional MS thesis. Students are committed to deliver a measurable benefit to

Rolls-Royce in their project as a requirement to graduation. Students find it engaging to be working on a real-life work problem as part of the degree curriculum.

For convenience, Purdue delivers this program right to the Rolls-Royce workplace. To date, 24 student employees have graduated from this program with 22 more expected to finish in May 2009.

For more information on this Masters of Science in Technology degree program, contact: lynda.m.coulson@rolls-royce.com or Mark Schuver at mschuver@purdue.edu.

To apply for the 2009 Excellence in Engineering Education Collaboration Award including eligibility and process requirements, a member listing and previous award winners, visit: <http://www.asee.org/activities/organizations/councils/cmc/awards.cfm>

Award nominations are now being accepted. Corporate Member Companies or members collaborating with universities are encouraged to apply for the 2009 award. The deadline has been extended to **Monday, December 1st.**



Pictured L to R: Ray Morrison - CMC (ACETS), Lynda Coulson - Rolls-Royce, David Quick - Rolls-Royce (Retired), Roger Olson - Rolls-Royce, Mark Schuver - Purdue, Sam Truesdale, Rolls-Royce and Letha Hammon - CMC (Dupont)

Membership Directory

As part of the strategic plan on membership, the board will be working on establishing a membership directory. This directory would include member's name, organization, contact information and areas of expertise. We will be asking for your willingness to be included in this directory. Please watch your CPDD membership email about this opportunity.

New Member Coordinator

In order to provide immediate information and assistance to our new membership we will be seeking a "new member coordinator". This individual will work in conjunction with the Membership Committee Chair to welcome new members, meet with newcomers at the CIEC and ASEE conferences, answer questions and provide guidance to new members. This coordinator should be knowledgeable about CPDD, the CIEC and ASEE conferences. If you have an interest in this role, please email Nancy Kruse, CPDD Membership Committee Chair at nancy-kruse@utulsa.edu or Julayne Moser, CPDD Division chair at moser@purdue.edu.

CPD has prepared an exciting program with 2 Workshops and 10 Sessions offered with appeal to Educators, Administrators as well as Industry/Government representatives. A variety of topics are featured including Forecasting Open Enrollment, Marketing Programs to the Working Professional, and Effective Tools and Techniques for the Distance Classroom (Workshop). Visit the Program link and/or Ticketed Events link on the www.asee.org/ciec2009 website for more information.

In addition to the workshops and sessions, don't miss some of the CPD Special Events such as the CPD 'Logo' breakfast and the CPD Awards Reception.

The 'Logo Event' offers an opportunity to show your pride by wearing an article of attire such as a sweater, shirt, hat, tie, lapel pin, etcetera that represents your university or company affiliation. Join us for breakfast and tell us about yourself and your organization – newcomers especially welcome! See the Final Program forthcoming for the established date and time.

Support your fellow CPD members for the presentation of the CPD awards to be held on **Thursday evening, February 5th**. Predicting good weather, this award reception will be held at the hotel outdoor courtyard. If rain occurs, this event will be moved to a reserved space indoors. Tickets can be obtained from the 'Ticketed Events' link for \$25.00.

And for those family members accompanying conference attendees, the Royal Plaza Hotel (an official Walt Disney World hotel) offers complimentary transportation to the many theme parks nearby. Inquire at the hotel for special hours at the theme parks for hotel guests.



CIEC 2009

Engineering Magic Partnership for the 21st Century

Registration is now open for the Annual Conference for Industry and Education Collaboration held in beautiful Orlando Florida **February 4-6, 2009**.

Register soon! The deadline for the Hotel Conference Rate of \$159 is **January 12, 2009**. Early bird discount for the ASEE/CIEC Conference Fees also expires January 12th at 5:00 pm.

AirTran Airways offers a **10% discount** on their lowest available one-way fare when 10 or more persons are flying into a single destination from different cities. For more information, see the "Air Travel" link on the www.asee.org/ciec2009 website. Please mention the event code MCO020509 (CIEC) and the event name when making your reservation.

We look forward to your participation at CIEC 2009. **For additional information visit the website at www.asee.org/ciec2009** for all conference information including the program, registration and accommodations.

*Lynda Coulson
CIEC Chair*

Ask a Colleague

I am happy to report that *Mark Schuver*, College of Technology at Purdue University has agreed to be Coordinator for the Special Interest Groups. Mark will be working with the SIG area chairs closely to prime the interaction within their groups for on-going dialogue. Every member of CPDD is a member of a SIG (or more than one SIG) and should feel free to send information, comments, and thoughts to the appropriate SIG Chair(s). We especially want you to interact when a question or comment goes out to the SIG group for feedback. Please feel free to contact Mark or one of the SIG Chairs listed below directly if you have an interest in assisting with one of these groups.

SIG-IND - ([Lynda Coulson](#))

Members of business and industry who are responsible for the analysis, design, development, implementation and

evaluation of training and development programs for science, technical, engineering, and math related occupations.

SIG-DEL - ([Paul Jewell](#))

Members from industry and education interested in the technical issues associated with development and delivery of distributed/distance learning programs.

SIG-FAC - ([Keith Plemmons](#))

Members interested in the issues relative to the education and training of engineering professionals through continuing engineering education programs, with emphasis on andragogical learning strategies, course development, and other issues related to the education of adults learners.

SIG-ADM - ([Helene Demont](#))

Members who are involved with the administrative aspects of development and delivery of credit and non-credit courses in science, technical, engineering and math fields.

SIG-INT - ([Ed Borbely](#))

Members from education and industry who are interested in the unique aspects of delivering training and education in science, technical, engineering, and math related occupations in the international arena.

Annual Membership Survey

The CPDD Membership Committee will be conducting a membership survey again in Fall 2009. The first survey was conducted last fall and we received a moderate number of member responses. The feedback gave us a starting point as to the possible directions you'd like to see our Division go in the future.

We plan to conduct these surveys each year so that the board can maintain regular contact and receive input from our

members. Although your comments are welcome at any time, the survey prompts you to provide us with information and your thoughts about how the division can best serve your needs. Watch the CPDD membership email for the next survey coming up next fall.

Collaborate Through the CPDD SIGFAC Wiki Site

Now is the time to collaborate and to grow. Now is the time to share in the successes and challenges of other CPDD members. As professionals, we have substantive problems and successes, and are willing to share in a spirit of mutual support and collegiality. Together we work to improve our institutions and to educate the next generation. One effective way to collaborate is to join the CPDD SIGFAC wiki and to share ideas, concerns, and known best practices.

The CPDD SIGFAC Collaboration is a private (nonpublic) wiki site specifically created for the sharing and discussion of CPD faculty related issues. The SIGFAC encompasses members interested in issues relative to the education and training of engineering professionals

through continuing engineering education programs, with emphasis on androgogical learning strategies (adult learners), course development, and other issues related to the education of adult learners.

Members wanting to join the CPDD SIGFAC Collaboration are asked to contact Dr. Keith Plemmons, PE at keith.plemmons@citadel.edu

ASEE Annual Meeting - 2009 Austin, TX

Our division received 11 abstracts. Four time slots for technical sessions have been requested to accommodate the papers. As a reminder to those who submitted papers, this is the first year every presenter must write a paper to be able to present at the conference.

There will also be a Board meeting to be held on Sunday afternoon 2:15 – 4:00 and a business meeting will be held on Tuesday 12:30 – 2:00. Business meeting will be a ticketed event.

Keith Plemmons
CPDD Program Chair '09

