

From the Editor

How to Save Higher Ed?

In the past couple of months I've read several articles predicting gloom and doom for higher ed. In general the culprit is the lack of funds and in particular, shrinking state support for public education. Certainly the budget climate we are in is painful for almost everyone and we have all seen programs eliminated or curtailed and some good staff let go. It's my observation that higher ed budgets lag the private sector by about 24 months so I don't expect things to improve for at least another year.

The fact that these articles predict doom and gloom is not surprising but I am troubled by a number of proposed solutions. In both recent articles the authors point to the expansion of distance learning as one mechanism to save higher ed. Randy Moffett (University of Louisiana System President) cited these three characteristics as factors that make distance learning significant:

1. Distance learning programs trim cost per student by about two-thirds
2. Distance learning programs can help increase graduation rates
3. On-line courses provide tremendous opportunity for institutional cost sharing

Those of you with significant distance learning programs see any issues with Dr. Moffett's characterizations? I wonder how many distance educators would agree that costs are lower and graduation rates are higher. Dr. Moffett had better get some good advice before directing universities down fruitless paths.

We do know that there are opportunities for distance learning programs to meet specific educational needs of particular groups of learners. Properly conceived and implemented these programs can also help a university's bottom line but there are fewer cash cows than many administrators imagine.

One investment that should be made up front to help ensure a quality distance learning program is in professional development for faculty. To be effective faculty need to understand both the technology and pedagogy associated with this delivery method. Our CPDD colleagues have prepared just such an opportunity for the ASEE conference. I hope many of you can take advantage of that.

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





Chair's Corner

What an honor to serve as the new Chair of the CPDD Executive Board. In recent years, this division has seen tremendous achievements and growth under the guidance of Julayne Moser (CPDD Chair, 2008-2010). I look forward to continuing with the progress made; and to establishing new opportunities for additional involvement in the division for our members.

I have to agree with what I hear from others... that this division's strength comes from its members.

CPDD is made up of professionals from educational institutions, government agencies, various industries, societies and associations, all concerned with providing excellent continuing professional development programs for engineers and engineering managers.

I encourage all of you to become involved with this division in some way. It is an excellent opportunity to learn from leading CPD experts through an exchange of ideas, experiences, information, and knowledge. You will find that the contacts you make will be helpful to your professional career.

So become involved and begin networking with other members by attending the CPDD events at the ASCE Annual Conference this summer. The conference is being held in Louisville, Kentucky, June 20th – 23rd. And then CIEC, the Conference for Industry and Education Collaboration, which will be held in San Antonio, Texas, a historic and picturesque location, February 2-4, 2011. I

hope to see you and to meet as many of our members as I can at these two upcoming conferences.

Once again, I look forward to serving as the Continuing Professional Development Division Chair for the next two years as we work together for the continued growth of our division.



Nancy Kruse
CPDD Chair (2010 – 2012)
The University of Tulsa
Continuing Engineering & Science
Education

CPDD Elections

Congratulations to the new CPDD Executive Board members. Elections were held at the CPDD Business meeting during CIEC 2010 in Palm Springs. Please welcome:

Director (2010-2013)

Lea-Ann Morton
Director, Career Opportunities Center
Missouri University of Science &
Technology

Director (2010-2013)

Ellen Elliott
Education Center Director
Johns Hopkins University Applied Physics
Laboratory

Secretary (2010-2012)

Rita Burrell
Manager, Graduate and Distance Education
Bagley College of Engineering
Mississippi State University

We also extend congratulations to Kim Scalzo, Director of the Center for Professional Development for the State

University of New York as the new CPDD *Chair-Elect (2010-2012)*.

Thank You

We just want to say “thank-you” to Pat Hall (CPDD) for serving as the PIC V Chair these past two years. She’s done a terrific job representing CPDD, as well as CEED and CIP, to the ASEE Board of Directors.



As PIC V Chair, Pat gave our division a representative vote on the ASEE Board. She has been busy with:

- determining the Best PIC V Paper for the Annual conference for the three divisions of PIC V
- participating in judging the Overall PIC Best Paper Award
- serving on the committee for the ASEE National Teaching Award for 2010
- serving on the Nomination Committee for 2011 ASEE elections
- participating in and reporting at Division conference calls and meetings
- communicating information from Headquarters to the Division Chairs on a regular basis
- meeting with the other PIC Chairs at the Annual ASEE conferences
- encouraging Divisions to offer incentive to submit papers for the Annual conference with a \$500 divisional award for Best Paper
- conducting bi-annual PIC V Executive Board meetings
- this past year, she also served as the Vice President of the PICs
- presenting and granting approval for Division bylaw changes with the ASEE Board

There are 5 Professional Interest Councils (PIC) who represent all the Divisions of ASEE and serve on the ASEE Board of Directors for two year terms. The PIC V Board is made up of the past, present, and incoming Division Chairs from the following Divisions – Continuing Professional Development, College Industry Partnerships, and Cooperative and Experiential Education. Others who have served in PIC V roles the past two years are Nancy Kruse (CPDD) as PIC V Secretary and Patricia Bazrod (CEED) as PIC V Vice Chair.

Thanks again Pat, for being CPDD’s voice to the ASEE Board!

Honors and Awards

During this year's conference in Palm Springs, we honored those who have given outstanding service to the division and to the profession.

Certificates of Appreciation went to:

Paul Jewell
Iowa State University
2010 CIEC - CPDD Program Chair &
Service as CPDD Board Director 2007-2010

Keith Plemmons
The Citadel
2009 ASEE Annual Conference - CPDD
Program Chair

Lynda Coulson
Rolls-Royce Corporation
Service as CPDD Board Director
2007-2010

The Division also recognized and honored the following for their outstanding work on the DAETE Project (Development of Accreditation in Engineering Training and Education).

Certificates of Merit were awarded to:

Alfredo Soeiro
University of Porto

Patricio Montesinos
UPV (Valencia)

John Klus
University of Wisconsin

Markku Markkula
Helsinki University of Technology

Mervyn Jones
Imperial College London

Carlos Ripoll Soller
UPV (Valencia)

Nelson Baker
Georgia Institute of Technology

Kim Scalzo
State University of New York

Edward Borbely
University of Michigan

CIEC 2010

Thanks to everyone who was able to attend CIEC 2010. It was a great success! The theme, "Preparing the Workforce for the Global Marketplace" couldn't have come at a better time. This theme was met with a wide variety of interesting and informative sessions.

Ten sessions were presented by over 15 leading CPD professionals, including numerous individuals and groups who were new to CIEC. All of the presentations were well-attended and well-received. Some of the comments on the evaluations illustrate how pleased the participants were:

- Very engaging and inspiring!
- Many, many wonderful suggestions that I will use!
- Good to hear details of how others do things, more of this.
- Wish we had more time! It was very fascinating! My favorite session so far...
- This was a great session for "take back" information.

Whether or not you attended the conference, you can still participate after the fact by logging in to our very own wiki at:

<http://ciec-cpd.wikispaces.com/>

Click on any of the SIG links to view videos from our SIG brainstorming sessions. (Special thanks go to Marie-Pierre Huguet for collecting and posting these videos.) You can also peruse previous discussion threads from the History tab, or use the Discussion tab to start your own thread.

Wikispaces is a very useful resource and an easy way to share information. Perhaps you can share how you have applied what you learned at the conference. What did you take away that has helped you? Or, maybe you just want to continue a discussion that started at the conference. The wiki is waiting for you!

Interested in becoming more involved with the Conference for Industry & Education Collaboration? Lea-Ann Morton, CPD Program Chair for CIEC 2011, is seeking CPD presenters, moderators, and conference volunteers.

Contact: Lea-Ann Morton
Missouri University of Science &
Technology
Phone: 573.341.4254
E-mail: mortonl@mst.edu

Best Regards,
Paul Jewell
CIEC 2010 Program Chair
pjewell@iastate.edu

Special Interest Groups

We now have list serves set up for the five areas of our Special Interest Groups (Administration, Faculty, Industry, International and Delivery). Special Thanks to Greg Ruff for doing this!!! Following is a description of each area along with the current chair:

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 adult learners. (faculty)

SIG-ADM - (Charles Baukal)

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.

Announcements:

- 1) Special thanks to Marie-Pierre Huguet for setting up the videos from our SIG meeting at CIEC in Palm Springs!! You can access these at our very own wiki so check it out by following this link: <http://ciec-cpd.wikispaces.com/>. See the great ideas for our San Antonio conference!
- 2) Remember that Nelson Baker needs our ideas, tangible results and testimonials of successful professional programs for his Keynote Presentation at ASEE this summer!
- 3) Is anyone pursuing a distance or hybrid PhD or Professional Doctorate??? We get many requests and are investigating an on-line option.. Michigan State has announced such a program. Are you aware of any others?? Let me know and I will summarize results and get back with you.

Thanks for your support at the conference and I look forward to hearing from you.

Mark Schuver
Chair, CPDD SIG

ASEE Annual Meeting

June 20 – 22, 2010
Louisville, KY

CPDD has a number of exciting workshops, events and presentations for you at the ASEE Annual Meeting. Please join us in Louisville!

Sunday, June 20
9:00 a.m. – Noon
KY International Convention Center, 103

Workshop 0222: "All the World's a Stage" for Distance Education Faculty Development

Ticketed Session-\$75 advanced, \$85 on site. In this "All the World's a Stage – Part One" hands-on workshop, participants are lead through a series of short presentations, discovery exercises, small group discussions, and practical activities that helps faculty members transition from the traditional to the digital classroom. This highly interactive approach allows participants to progressively contextualize their actions using Jaques' famous monologue in William Shakespeare's *As You Like It*, "all the world's a stage, and all the men and women are merely players..." as a framework. Participants will be introduced to 1) ways to organize and manage course materials, 2) processes for managing student expectations, and 3) applications of adult learning or androgogy in a digital environment.

Sunday, June 20

1:30 p.m. – 4:00 p.m.

KY International Convention Center, L3
Session 0522: CPDD Executive Board Meeting

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

Sunday, June 20

2:00 p.m. – 5:00 p.m.

KY International Convention Center, 103
Session 0622: Tools and Techniques for the Distant and the Blended Classroom-The Application Stage

Ticketed Session-\$75 advanced, \$85 on site. In this "All the World's a Stage – Part Two" hands-on workshop, participants are lead through a series of mini presentations, discussions, and activities that enables them to identify, compare, contrast, and use the tools, and technologies presented and consider their application in distance and blended instruction. The highly interactive

approach allows participants to try and test some of the tools and technologies discussed and ultimately develop their own successful unit of instruction. Topics presented include course design models, learning management systems, Web 2.0 technologies (such as YouTube, podcasting, blogs, wikis, and social networking), synchronous and asynchronous tools, media creation tools, assessment tools, and accessibility tools. We *strongly recommend that participants bring their own laptop.*

Monday, June 21

12:30 p.m. – 2:00 p.m.

KY International Convention Center, 206
Session 1422: Faculty Development for Distance Learning

Faculty development for distance learning can be a challenge for many institutions. In this session, practitioners present their programs, along with descriptions of their plans, experiences and results. Moderator: Keith Plemmons, The Citadel

Engineering Faculty As Academic Change Leaders

Elizabeth Cady and Norman Fortenberry, National Academy of Engineering; Beverly Davenport Sypher, Steven R. Abel, Monica Cox, Teri Reed-Rhoads, and Brenda Berkelaar, Purdue University

The Constructivist-Based Workshop: An Effective Model For Professional Development Training Activities

Susan Donohue, The College of New Jersey; Christine Schnittka, University of Kentucky; and Larry Richards, University of Virginia

Preparing For Participation In SPEED: An ASEE Initiative For A Nationally Recognized Development Program For Engineering Educators

Donald Visco, Tennessee Technological University; Dirk Schaefer and Tristan Utschig, Georgia Institute of Technology; J. P. Mohsen, University of Louisville;

Norman Fortenberry, National Academy of Engineering; Michael Prince, Bucknell University; and Cynthia Finelli, University of Michigan

An Exploration Of P&T Policies Related To The Scholarship Of Engagement And Outreach At E&T Programs Within The US
Gene Dixon, East Carolina University

Monday, June 21

2:15 p.m. – 4:00 p.m.

KY International Convention Center, 206

Session 1522: Technology Enhanced Learning

The distance learning environment places special requirements on faculty and course developers. Successfully responding to these requirements can be a transformative experience for both the instructor and the students. This session will explore the best practices associated with technology enhanced learning. Moderator: Julayne Moser, Purdue University

Implementing Tablet Pcs In A Distance Learning Environment

Glenda Scales, Virginia Tech; Sharon Caraballo, George Mason University; James Groves, University of Virginia; Rosalyn Hobson, Virginia Commonwealth University; Linda Vahala, Old Dominion University; and Catherine Amelink, Virginia Tech

Sustaining Appropriate Technology Enhanced Learning In STEM Disciplines

Steven Cramer, Robert Jeanne, Moira Lafayette, Michael J. Litkow, Amber R. Smith, and Lillian Tong, University of Wisconsin, Madison

Challenges Facing Continuous Professional Development For Technology Education In The Irish Second Level System

Diarmuid McCarthy, Niall Seery, and Seamus Gordon, University of Limerick

An On-Line Course To Help Engineers (Students And Professionals) Develop Interpersonal Skills – You’re Kidding, Right?

Eugene Rutz, University of Cincinnati

Tuesday, June 22

8:30 a.m. – 10:15 a.m.

KY International Convention Center, 202

Session 2222: e-Learning Course Development and Instruction

The digital learning environment offers the opportunity to meet the needs of a broad spectrum of learners and offer the benefit of addressing varying learning styles. But are these programs effective? This session explores the development of online courses and the ability of these courses to effectively meet learners’ needs. Moderator: Keith Plemmons, The Citadel

In-Person Versus Synchronous Remote Delivery Of Mechanics Lectures

Michael Kozak, University of Dayton

Hands-On Nuclear Engineering Education – A Blended Approach

Marie-Pierre Huguet, Tom Haley, and Yaron Danon, Rensselaer Polytechnic Institute

The Case For Case Studies

John Robertson, Arizona State University

Course Change As A Darwinian Process

John Robertson, Arizona State University

Tuesday, June 22

12:30 p.m. – 2:00 p.m.

Louisville Marriott Downtown, Salon F, Kentucky Ballroom

Session 2422: CPDD Business Meeting Luncheon

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.

Tuesday, June 22

4:30 p.m. – 6:00 p.m. Kentucky

International Convention Center, Exhibit

Hall 2C & 2D

Session 2622: CPD Division Poster

Session 9

Now is the time to discuss your ideas about faculty development and assessment processes. We have much to accomplish in these areas, and your thoughts about the future of distance education are welcome. This poster session provides faculty and other professionals the opportunity to present and discuss innovative ideas and techniques for instruction and assessment. Moderator: Keith Plemmons, The Citadel

*Assessment Processes Based On
Performance*

Mysore Narayanan, Miami University

Keith Plemmons

2010 Annual Meeting Program Chair

plemmonsj1@citadel.edu

MARK YOUR CALENDAR

