

The Voice - CPDD Newsletter

December 2015

From the Editor

New Role for CPDD?

Who “owns” engineering continuing professional development at your college?

What rewards exist for participating in the work of continuing professional development?

How do you measure return on investment for PD efforts?

If you've been active in CPDD you know that our division has been wrestling with those questions and others for years. You also know that different universities have different answers to those questions and there is great value in discussions with other professionals around these topics.

If you have taken part in the ASEE annual meetings you may also know that those involved with faculty professional development wrestle with many of these same questions but without the benefit of the structure of an ASEE division.

It is not unusual for a paper dealing with faculty professional development to be submitted to one of our technical sessions because it seems like the best fit for the topic.

This year the CPDD leadership is engaging in a more purposeful and structured conversation with a number of faculty development professionals from a number of universities regarding our common interests. We will seek to identify and understand our common interests, the culture of our professions, and the opportunities that working more closely together might present.

To help facilitate this dialogue the division is sponsoring a special session at the annual meeting in New Orleans. This “birds of a feather” session will be a wide open discussion involving all participants to better gain an understanding of the landscape of engineering faculty development. Topics to be addressed include:

- Sharing knowledge about our professions and our programs: development models, values, and levels of impact.
- Identifying common challenges, interests, and goals in our programs, missions, and practices.
- Generating ideas for collaborations in meeting our challenges, interests, and goals.

From my own experience I know there is significant overlap between the concerns of the engineering professional development community and faculty professional development community. One simple example is in the area of program development and delivery. Because of the work I have done on CPD I have been asked by our center that oversees faculty development to present on technologies and pedagogies so that faculty could learn about these.

So as you have time and as this topic affects your work and your college I encourage you to be part of this conversation.

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

Chair's Corner

What a great time of year! The holidays are upon us, the evenings are cool, and the days are full of the aromas of the season.

Two years ago I took over as the Chair of the CPD Division of ASEE. What a great learning experience it has been. The help I received in carrying out my many tasks has been unparalleled in my career. We have done a lot in these last two years: sharing best practices; filling our rotation charts; and beginning the process of introducing new and talented people into our organization. All of this could only have been accomplished with the help and support of the entire CPDD board and leadership team.

With that said, I will be rotating out as the Chair of the CPDD this February at our annual CIEC conference. Replacing me will be Dr. Mitch Springer. Mitch is an energetic guy with a clear bias for action. His bio is included in the newsletter. I will remain on the CPDD Board as the past-chair and will support Mitch in whatever ways I can. I am sure his tenure will be as rewarding as mine was.

I want to thank all of you who have supported and encouraged me throughout these last two years. I feel truly blessed to have been a part of such a magnificent organization. If ever there is anything I can do for you going forward, please feel free to call on me.



With warmest regards,

Paul Jewell
 CPDD Chair (2014-16)
 Engineering-LAS Online
 Learning (ELO)
 Iowa State University,
 College of Engineering

Incoming Chair

Dr. Mitchell L. Springer



Dr. Mitch Springer currently serves as the Executive Director for Purdue University's Polytechnic Institute located in West Lafayette, Indiana.

He has over 35 years of theoretical and industry-based practical experience from four disciplines: Software Engineering, Systems Engineering, Program Management and Human Resources. Dr. Springer possesses a significant strength in pattern recognition, analyzing and improving organizational systems. He is internationally recognized, has contributed to scholarship more than 150 articles, presentations, books and reviews on software development methodologies, management, organizational change, and program management. Dr. Springer sits on many university and community boards and advisory committees. He is the recipient of numerous awards and recognitions; most recently he was awarded the Purdue University, College of Technology, Equity, Inclusion and Advocacy Award.

Dr. Springer received his Bachelor of Science in Computer Science from Purdue University, his MBA and Doctorate in Adult and Community Education with a Cognate in Executive Development from Ball State University. He is certified as a Project Management Professional (PMP), Senior Professional in Human Resources (SPHR & SHRM-SCP), in Alternate Dispute Resolution (ADR), and, in civil and domestic mediation. He is a State of Indiana Registered domestic mediator.

Faculty Feature– J. Padfield

Jon R. Padfield is an adjunct faculty member in the Purdue University Polytechnic Institute. He has taught courses in statistics, quality and productivity, project management, global technology, and business strategy for Purdue University's Center for Professional Studies in Technology and Applied Research (ProSTAR) since 2009.

Padfield earned his bachelor's degree in electrical engineering technology, and his master's and doctorate in technology, all from Purdue. His dissertation research in the Department of Technology Leadership and Innovation focused on the innovation processes used in the United States healthcare system. His research interests include innovation processes, process improvement, and distance education.

A certified Six Sigma Master Black Belt, Padfield has over 20 years of experience in the automotive, security products, and medical device industries. He has taught corporate training classes on quality improvement and FDA design controls in eight countries across four continents.

"I really enjoy teaching for the College of Technology because it provides me the opportunity to interact with highly talented and motivated students," Padfield said. "I also find that my years of industry experience are helpful in bringing concepts from the textbooks to life. Being able to share relevant, first-hand examples of how the material in the book applies in real life makes the courses more interesting and memorable.

"The Weekend Master's Program holds a special place in my heart as it allowed me to return to college to improve my skills and marketability at a time in my life when family commitments and career demands

would have made it impossible to return to college as a traditional student," he continued.



"I view teaching for the Weekend Master's Program as a way of giving back to Purdue and keeping connected to a lot of great people from the faculty, staff and students."

MakerBot Innovation Center

On Thursday, April 23, the University of Maryland's A. James Clark School of Engineering opened a MakerBot Innovation Center, making UMD home to the first center of its kind in the Baltimore-Washington region and the sixth university-based MakerBot Innovation Center in the world.



"What we're seeing here is the future of manufacturing in this country," said **Darryll J. Pines**, Nariman Farvardin Professor of Aerospace Engineering and Dean of the A. James Clark School of Engineering. "The University of Maryland MakerBot Innovation Center gives our students an

edge in the changing and adapting marketplace. We see 3-D printing as a catalyst for new thinking and are excited to make this technology more broadly available at the University.”

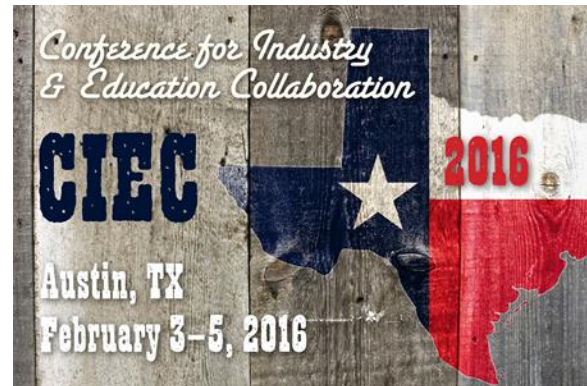
Open to the entire UMD community, the center adds over 50 3-D printers to the 25 previously available in the Clark School and brings the number of 3-D printers across campus to approximately 100. Print jobs can be uploaded to the cloud and sent to the center by anyone on campus.

CIEC - 2016

The ASEE Conference for Industry and Education Collaboration is organized by College-Industry Partnership Division (CIPD), Continuing Professional Development Division (CPDD), Cooperative and Experiential Education Division (CEED) and Engineering Technology Division (ETD). This annual conference includes workshops, technical sessions, training and a plenary emphasizing the long and mutually beneficial partnerships between education, industry and government.

Cooperative and Experiential Education Division (CEED)

This division strives to develop high principles and maintain the integrity of cooperative education throughout academia and industry. The general goals of the division are to foster a better understanding of cooperative education, improving co-op services to employers, and promote cooperative education in engineering and engineering technology to business and industry both national and international. The division also emphasizes professional standards and accreditation of co-op programs.



College-Industry Partnerships Division (CIPD)

CIPD is an organization that fosters a strong alliance between engineering employers, educators and those interested in promoting partnerships that enhance science and technology.

Continuing Professional Development Division (CPDD)

CPDD fosters the development, delivery and improvement of continuing education in all areas that pertain to allied branches of science, technology, engineering and math. CPDD provides advocacy for and leadership in lifelong learning and it creates opportunities for the exchange of information and expertise among providers and consumers of educational programs.

Engineering Technology Division (ETD)

ETD has as its principal function the support of individual member interests related to the field of engineering technology. Its membership is composed of public and private two- and four-year engineering technology educators from all over the world as well as representatives from industries that employ engineering technology graduates.

The 2016 CIEC conference will be located at the Hyatt Regency Austin located at 208 Barton Springs Road, Austin, TX.

Registration is now open.

-See more at:

www.asee.org/conferences-and-events/conferences/ciec/2016

ASEE Annual Conference & Exhibition - 2016

The 123rd Annual event will be held June 26 – 29, 2016 in New Orleans, LA. CPDD will have 3-4 technical sessions focusing on:

- Techniques and pedagogies for continuing professional development
- The business of professional development
- Faculty development

We will again sponsor the **faculty breakfast** on Tuesday morning 7:00 – 8:30 to both attract greater participation and listen to faculty concerns and input regarding participation in continuing professional development efforts. It's free and a great opportunity to network.

Likewise the **Division Business luncheon** meeting on Wednesday from 11:30 – 1:00 provides another opportunity to connect with CPD professionals and help set direction for the division and conference.

This year the Division is also sponsoring a “birds of a feather” session that features significant participant interaction. A panel of faculty development professionals will facilitate a conversation designed to provide



a forum for sharing of ideas, best practices and challenges in providing faculty professional development. This session can be a catalyst to increase the scope of our

Division's activities and add to membership in the division.

Get Involved in CPDD!

The ASEE Continuing Professional Development Division (CPDD) has numerous opportunities to become more intimately involved with the workings of the division. Whether as an elected position on the Executive Board or serving in another role or on a committee, CPDD has a place for you.

The CPDD Executive Board consists of the following elected positions: Chair, Chair-Elect, Past Chair, Secretary, Treasurer and Directors (six).

Other roles and committee chairs who support the work of the division and may also attend executive board meetings. These many opportunities include:

- Archivist
- Honors and Awards
- Membership
- Newsletter Editor
- Photographer
- Publications, Research and Special Projects
- ASEE Professional Interest Council (PIC) V Chair
- Website Content Editor
- Webmaster
- Nominations
- Special Interest Groups (SIGs) Chair
- ASEE Annual Conference Program Chair
- CIEC Program Chair
- Assistant CIEC Program Chair
- Finance Committee