

From the Editor

Are Engineers Different?

It's a rhetorical question of course because we all know that engineers are just different than *normal* people (I can say that since I am an engineer). I'm not so much thinking about our obvious charm and good looks as I am about how we learn and what we value. Some years ago I was involved with a study that looked at learning styles, personality type and the use of instructional technology. A comparison of Myers Briggs characteristics between engineers and the general public shows some clear differences.

	Practicing Engineers	General Population
Introvert	52%	30%
Extrovert	48%	70%
Sensing	53%	70%
Intuition	47%	30%
Thinking	63%	50%
Feeling	37%	50%
Perceiving	40%	50%
Judging	60%	50%

When it comes to teaching, especially considering professional development for working engineers, are these differences important? Are there characteristics we should be paying attention to?

I had the pleasure of visiting Linda Krute at NCSU recently to talk about continuing education and in particular distance learning. They have a terrific set-up there for recording courses and Linda has done a marvelous job of building programs and increasing enrollments. Part of our

conversation turned to pedagogy, or I should say androgogy, and I asked Linda about the need to establish clear learning outcomes, to provide opportunities for student-to-student and student-to-content interaction. She looked at me the way Linda can and said "Gene, engineers are just different. They want content."

I have to agree. Providing content that enables a working professional to develop new expertise or solve a type of problem they couldn't before is (or should be) the primary focus of continuing engineering education. This bodes well for development of distance learning courses and degrees. Providing content is typically more straightforward (read less expensive and less cumbersome) than providing experiences.

It made me wonder though how different programs provide their courses and what we could learn from each other. I recall an ASEE session on UW-Madison's Master of Engineering in Professional Practice degree. My recollection is that program takes a significantly different approach in providing both content and experiences. There's a short piece under "Kudos" acknowledging that program's 10 year anniversary.

What I do know is that when I talk with my colleagues, I always learn something that proves useful to me in my job. The CIEC provides a particularly good venue for these conversations – so go if you can.

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

Chair's Corner

As the saying goes, "Time flies when you're having fun." I cannot believe my term as the chair of the CPD Division is coming to an end. For the past two years, it has truly been an honor and a privilege to serve in this role.

Over the past two years, the CPDD Executive Board has worked on various ways to better serve its membership; increase our division's presence at the ASEE Annual Conference and CIEC; plus actively seeking to expand and grow our membership to include other organization representatives who are engaged in developing continuing education programs for engineers and engineering managers...to name just a few things. And actions have been put in place to continue this good work into the years ahead.

And so, it is with this knowledge and reassurance that I gladly pass the chair's gavel to Kim Scalzo (Director, SUNY Center for Professional Development). She will take over as the new CPDD Chair at the 2012 CIEC in Orlando, Florida. Kim will be a tremendous asset to the division serving as the 2012-2014 Chair. It has been a pleasure working with her as she served as chair-elect during these past two years, and I look forward to assisting her in my new role as past-chair of the division.

Again, thank you for the opportunity of serving and representing the CPD Division as your chair.

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



Division News

Lea-Ann Morton is not able to continue her position on the CPDD board due to her recent promotion and increased responsibilities.

A special election is required and that will take place at the CIEC meeting in Orlando.

CIEC 2012

"Expanding the Workforce Pipeline: Beyond K-12" is the theme for the upcoming CIEC.

The conference is February 1-3, 2012 with four (4) pre-conference workshops on Tuesday, January 31, 2012. The pre-conference workshops are ticketed (\$75) events.

Morning pre-conference workshops:
CPD 240 (8:30 am – 11:30 am)

Title: Best Practices for CEE Marketeters!

Summary: Join us for an interactive workshop on marketing for CEE Managers focusing on global and domestic programs. This workshop will provide hands-on activities and immediate takeaways that will enable you to go back to your institutions and be more strategic about your marketing efforts, increase revenues, and improve your bottom line. Participants should bring their marketing challenges and be prepared to share their experiences with the group.

Presenters: Patricia Hall, University of Tulsa and Paul Marca, Stanford University

ETD 251 (8:30 am – 11:30 am)

Title: Writing for Professional Publications

Summary: This workshop is designed to give writers a complete picture of the journal publication process.

The panel members all represent the Journal of Engineering Technology (JET), but the process and requirements are applicable to most professional journals. Writers will leave the workshop with an understanding of the publication process and techniques to improve their submissions to increase their acceptance rates.

Moderator: Marilyn Dyrud, Oregon Institute of Technology

Panel/Presenters from the Journal of Engineering Technology

- Marilyn Dyrud, Oregon Institute of Technology: communications editor
- Niaz Latif, Purdue University-Calumet: past editor-in-chief
- Abi Aghayere, Drexel University: current editor-in-chief
- Vladimir Genis, Drexel University: manuscript editor
- Charlie Edmondson, University of Dayton: production editor

CEED 221 (9:00 am – 12:00 pm)

Title: Through the Looking Glass Revisited

Summary: Lewis Carroll's *Through the Looking Glass* tells of Alice's experiences in Looking-Glass Land where she finds herself in a whimsical game of chess. Students may feel that they have also passed through the looking glass and may not understand the expectations needed to succeed on co-op. While many co-op professionals have been exposed to Myers-Briggs Type Indicator, few have explored the powerful connection to Emotional Intelligence (EQ). EQ identifies competencies that define emotional intelligence including self-awareness, self-regulation, flexibility, motivation, empathy, and resilience. This

interactive workshop will focus on understanding the connection between MBTI and EQ and how to better help students succeed on co-op.

Presenters: Robert Tillman and Rose MiMarco, Northeastern University

Afternoon Pre-conference Workshop:
CPD 241 (1:00 pm– 4:00 pm)

Title: A Picture is Worth a Thousand Words: Making More Effective Graphs and Images for Proposals, Papers and Presentations

Summary: Do you want to make more effective images and graphs in your proposals, papers, and presentations? Need ideas to make your technical content or marketing and promotional materials have a larger impact? Often the images and graphs can make or break funding of proposals or sales/registrations in engineering research and education. This workshop examines simple processes that can be used to make your next proposal, paper, brochure, or website more effective through the right use of images and graphs. Content in the workshop applies to faculty, staff, administrators, marketing departments, and students. Workshop attendees will receive course reference materials to keep as part of participation.

Presenter: Dr. Pam Dickrell, University of Florida

The reception for first-timers to CIEC ("Red Stars") will be on Tuesday afternoon (January 31) at 4:30 pm. followed by the Conference Opening Reception. The Opening Reception is covered in your registration. (Note – this is a day earlier than in past CIEC conferences).

So, mark your calendars to attend a pre-conference workshop, welcome our first-time attendees and join us for "Rock Around the clock at CIEC" opening reception. Bring your rolled up jeans, t-shirts, hair gel,

poodle skirt, and saddle oxford shoes for a great networking and social event!

Conference Registration

Register on-line for the conference at:

www.asee.org/conferences-and-events/conferences/ciec/2012 then click on "Registration is Now Open!"

Hotel Reservations

Information about hotel rates/reservations can be found at:

www.asee.org/conferences-and-events/conferences/ciec/2012

Room Rates expire January 12, 2012!

The Hilton in the Walt Disney World Resort has a direct web link created specifically for the CIEC 2012 Conference. Please use this link to make your room reservations*. The group code for the conference is automatically entered if you complete your reservations on-line through this link.

Reservations may also be made by calling 1-800-782-4414. The group code for CIEC is "ASE". Please make sure to use this code to receive the special conference room rates.

Sign up for "Hilton Honors" at <http://hhonors1.hilton.com> to be eligible for special offers that Hilton may make available during the conference week of February 1-3, 2012!

*Note: you will be charged the rate of one night's stay when you make reservations as a deposit on your reservation.

Looking forward to seeing you all in February!

Julayne Moser
CIEC 2012 General Conference Chair

Kudos

Congratulations to member *Ron Britton*, Professor and Associate Dean University of Manitoba, who was the recipient of the Association of Professional Engineers and Geoscientists of Manitoba sponsored Champion of Engineering Education Award. It's particularly noteworthy that a licensing body cares about Engineering Education.

UW-Madison's Online Engineering Management Degree Program Celebrates 10 Years of Success

The University of Wisconsin–Madison's Master of Engineering in Professional Practice (MEPP) program celebrated 10 years of success with program alumni, faculty, and staff as part of UW's homecoming weekend, October 14–16, 2012. The MEPP program was the first online degree offered by UW–Madison, and has already graduated 300 mid-career engineers from leading engineering employers, including Google, NASA, 3M, GE, Motorola, Intel, Qualcomm, and the U.S. Army, Air Force, and Navy.

Alumni and their families traveled back to campus for a special weekend of activities that included: a seminar and awards dinner as part of UW's Engineers' Day, a tailgate brunch; UW's homecoming football game with the visiting Indiana Hoosiers; and a Saturday evening dinner. The Saturday post-dinner program included a performance by an improve comedy troupe and a quiz show modeled after Wisconsin Public Radio's "Whaddya Know." The quiz show provided opportunities for alumni to participate in the festivities remotely.

Wayne Pferdehirt, MEPP Program Director noted, "It's great to see our alumni attend and obviously enjoy reconnecting with each other. This weekend speaks tons to the quality of relationships that can be created

and fostered through well designed distance education programs.”

The MEPP program actively and regularly engages program alumni through a variety of educational and social activities, including free webinars, an annual on-campus seminar, and surveys that help the program continuously improve curriculum and outreach. The MEPP program equips students, all of whom are full-time working engineers and technical professionals, with a combination of technical skills and leadership abilities that prepares them for engineering management and technical leadership across all industries.

More information about the MEPP program is available at mepp.engr.wisc.edu.

Nominate A Deserving Individual

The Honors and Awards Committee of ASEE’s Continuing Professional Development Division (CPDD) is requesting nominations for Awards & Honors that will be presented at the Conference for Industry and Education Collaboration (CIEC) in Orlando, February 1-3, 2012.

This is a time for us to recognize and honor those members of our division who have done an outstanding job within the division and the profession over the past year.

To nominate someone for the following awards (see below), please send your nominations to Kim Scalzo at kscalzo@cpd.suny.edu **by Friday, December 9, 2011.**

- CPD Certificate of Merit
- Biedenbach Award

Criteria for these awards are included at the bottom of this email and previous Biedenbach Award winners are listed in the attached document.

Please include the following information when submitting your nomination for each award:

- The award for which you are nominating the individual
- Name, affiliation, and contact information of person you are nominating
- Rationale for why this person should receive the award including specific examples of things they have done and how they meet the criteria established for the award

In addition to the awards mentioned above, the session awards from the 2011 CIEC in San Antonio will also be presented. Thank you very much in advance for your response!

The CPDD Honors and Awards Committee:

Kim A. Scalzo, State University of New York (Chair)

IACEE World Conference 2012

The IACEE 2012 World Conference on Continuing Engineering Education (WCCEE) is aimed at all professionals involved in Lifelong Learning activities from educational institutions, professional organizations & societies, industrial organizations & companies. All the issues addressed and the methodology of the WCCEE have been prepared for lifelong learning managers, coordinators and directors. The program committee has prepared activities not only for experienced staff but also for those who are willing and able to learn from others’ good practices. To fully fit expectations from Lifelong Learning experienced managers and beginners, the Conference has been organized in the following structure:

14th and 15th May 2012

4 Pre-Conference WORKSHOPS of 4 hours on:

- Lifelong Learning Marketing
- Lifelong Learning Quality Management using the IACEE Quality Program
- Lifelong Learning Strategic Management
- Lifelong Learning Management by Processes and Indicators.

These workshops will be run by directors of Lifelong Learning Centers of Stanford University, the University of Michigan, the Universitat Politècnica de València and the State University of New York (SUNY).

16th May 2012: Day for Project meetings & WCCEE Reception

17th, 18th and 19th May 2012

Principal WCCEE activities include:

- Plenary Lectures (3) - Lectures by IACEE's major awardees
- Parallel presentations of articles and case studies. These presentations will each include 10 minutes of oral presentation and 10 minutes of interaction with participants in the session.
- Expert panel discussion on Lifelong Learning: presentation of good practices. Session led by Andy DiPaolo, Executive Director Emeritus of the Lifelong Learning Center at Stanford University.

The official language of the World Conference is English. However, due to the numerous requests received from Spain and Latin America, the Conference Planning Committee has decided to hold at least two parallel sessions in Spanish. The abstracts, however, must be proposed in English (300 words) but the rest of the article may be submitted and, if it is selected, presented in Spanish. And remember, to propose as a 300 words abstract, (after extensión, new deadline is 9th of JANUARY) please visit <http://itekcms.com/wccee12/index.php/wccee12/wccee12/login>

To revise the Conference THEMES and IMPORTANT dates, please visit <http://wccee2012.blogs.upv.es/conference-themes/>
<http://wccee2012.blogs.upv.es/call-for-papers/>

We will be delighted to receive you in VALENCIA to share ideas, visions and solutions to Continuing Engineering Educations challenges, and of course, to share our wonderful land and gastronomy with you. Have a look on what you can find in:

<http://wccee2012.blogs.upv.es/wandering-valencia/>

To follow up us in LinkedIn, please join us in

<http://www.linkedin.com/groups?viewMembers=&gid=3776806&sik=1317469532112>

Hope to see you in Valencia next 2012 May. Very best regards,

2012 IACEE Conference Chairs
Nelson BAKER, IACEE President, Georgia Institute of Technology, USA
Patricio MONTESINOS, Universitat Politècnica de València, SPAIN

ASEE Annual Conference

The annual conference and exhibition is set for June 10 - 13, 2012 in San Antonio, Texas. Hope to see you there.



The River Walk in San Antonio

John P. Klus: A Remembrance

(1935 - 2011)

IACEE and the Continuing Engineering Education (CEE) profession lost a “Giant” early this month with the passing of Prof. John P. Klus on 2 September 2011 at age 76. Born in northern Wisconsin on June 13, 1935, John was drawn to Michigan Tech to begin his academic career, where he received his BS in 1957 and MS in 1961, with US Army service as a Research Engineer in between. John then went to the University of Wisconsin – Madison, where he earned his Ph.D. in Civil Engineering in 1965. He began his distinguished career in CEE as an Assistant Professor at UW – Engineering Extension and later served for many years as Department Chair of what is now known as Engineering Professional Development (EPD). Early on he became a leader the continuing professional development of technical personnel in the US and in the early seventies broadened his focus to the international scene.

In the mid-seventies he and two other notable ASEE Continuing Professional Development Division members (Joe Biedenbach and Chuck Sener) envisioned a series of international conferences on CEE. In 1979 the First World Conference on CEE (WCCEE) was held in Mexico City as the first of what has now become a biennial series of World Conferences on CEE, the thirteenth of which will be held next May in Valencia, Spain. During the eighties it became apparent that a permanent organization might well be necessary to, among other things, foster the continuation of the World Conferences on CEE. This activity came to fruition with the founding of our International Association for Continuing Engineering Education (IACEE) at the Fourth WCCEE in Beijing in 1989. John Klus was assigned Member #2 in IACEE and became the association’s first President, serving for six years in that capacity until 1995.

John officially retired from his post at UW – Madison some years ago but has continued to work part-time for UW EPD and IACEE until just days before his passing. What is recounted



above are mostly facts about an outstanding professional contributor. Those facts do not begin to measure the affective aspects of John’s personality, drive, and impact. He has been a tremendous force for good in the development of CEE around the world. He has mentored many, if not most, of today’s CEE leaders, always sharing himself and his experience in an honest and forthright manner. As these words are written five days after his death, tributes from colleagues around the world continue to pour in at IACEE Headquarters. He has, in a word, earned the stature of a “Giant” in our field. Those privileged to have worked with him admire him as a thinker, an innovator, a mover and a shaker, but also as a pretty “ordinary guy” who came to be loved and appreciated by those around him. He was always among the first to offer an “attaboy” or a “great job, keep up the good work” to those with whom he worked. His continual encouragement of others will be sorely missed.

He has been widely recognized in professional circles for his outstanding work, including being named a Fellow of the American Society for Engineering Education (ASEE) in 1989 and being twice honored (1976 & 1996) with the Joseph M. Biedenbach Distinguished Service Award of ASEE’s CPD Division. The European Society for Engineering Education (SEFI)

honored him with its 1987 Leonardo da Vinci Medal and IACEE honored him in 2001 with its Joseph M. Biedenbach Distinguished Lectureship Award. He also received two Fulbright Research Awards (1966 and 1985) during his career.

John had a long-term relationship with the Helsinki University of Technology (HUT), now Aalto University, that caused him to travel to Finland approximately four times per year over a long period of time and led to his long collaboration with Markku Markkula, who served as IACEE Secretary General for our first 12 years and presided over our IACEE headquarters in Finland from 1989-2001. HUT presented John with an Honorary Doctorate in 1994 for his contributions to continuing education, technology transfer, and new product development. John often embraced new projects and challenges with contagious enthusiasm. It was important to him to “always leave a place better than the way you found it,” which is exactly how he lived. The world will be a bit of a lesser place without him.

John loved the land of the upper Midwest and was most at home hunting or fishing in the wilds of that region of middle America. He leaves behind a devoted and loving family consisting of his wife Geri, four children and their spouses, six grandchildren, and three sisters. IACEE is deeply indebted to the Klus family for sharing John with all of us for so many years.