



**IEEE-Dayton Section Computer Society will participate in the**



## 25th Annual Fall Joint Meeting of Miami Valley Computing Societies

**Tues., Sept. 24, 2013 5:30pm**  
**Sinclair Community College**  
**Bld. 7 Meeting Rooms Note: New Location!**

## 3D Printing-What will you be printing?

**Speaker: Brent Cox**, Marketing Director, TeamBastech (Bastech, Inc./Rapid Direction, Inc.)

After spending his entire career mastering “all things printed” in 2D as an advertising agency creative and then self employed graphic designer and marketing professional, the local economy’s troubles created a need to seek a change. As a result, in a random Craigslist job search in 2012, a marketing director position listing caught his eye and developed into a most exciting new career in 3D printing and rapid manufacturing at Team-Bastech (Bastech, Inc. & Rapid Direction).

Brent has realized that the parallels between 2D and 3D printing are more numerous than you can imagine and with his extensive experiential knowledge in the 2D world of vector illustration, raster image handling, design software and of various substrates used in 2D printing, adapting to the 3D world had been an exciting and sometimes eerily familiar transition.



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## APS/GRS/MTT Meeting Sept 20th 2-3pm

APS/GRS/MTT will be hosting a guest lecturer on September 20. It will probably be held at Tec^Edge

Details were not available at press time.

**For more info contact** Prof. Andrew J. Terzuoli, Jr.  
 IEEE APS/GRS/MTT Dayton Chair  
 Office: 1-937-255-3636 x 4717 or [a.j.terzuoli@ieee.org](mailto:a.j.terzuoli@ieee.org)

**IEEE PEAL will host a tour and meeting at**

## DP&L’s Yankee Road Solar Generation Facility on September 24<sup>th</sup>



**5 p.m.:** *Optional site visit* to DP&L’s Solar Generation Facility, with information kiosks

9975 Yankee Street, Centerville, Ohio 45342

On west side of Yankee St, directly across from Yankee Trace GC Clubhouse. (Turn at DP&L Yankee Substation/Solar Array sign and go straight west)

**6 p.m.:** *Meet at MCL Cafeteria* meeting room for dinner (at your own expense)

MCL 4485 Far Hills Ave, Kettering, OH

**7 p.m.:** *Presentation* on DP&L’s Solar Generation Facility **by Dan Dull, PE, Protection and Control Engineer**

**WHAT:** The Dayton Power and Light Company’s (DP&L) first solar installation is also the largest in southwestern Ohio. The 1.1 MW solar photovoltaic array is comprised of 9,120 thin film solar modules situated on 7 acres in Washington Township, Montgomery County, Ohio. The array is on the west side of Yankee Street, directly across from Yankee Trace Golf Course. Construction commenced in December 2009 and the system began operating in late March 2010.

At peak capacity, the Yankee Solar Array generates enough electricity to power the equivalent of 150 homes and is helping DP&L satisfy Ohio’s renewable energy goals: 25% of all energy consumed by Ohioans will be from alternative energy technology by 2025. Of that, 0.5% must be solar energy and half of all the renewable energy is to be produced in Ohio. Mr. Dan Dull will be presenting some of the engineering aspects of the design, construction and operation of this installation.

The IEEE PEAL chapter S-PAC objective is to host a kickoff event to engage students with engineering professionals in the Dayton Section, Region 2 PEAL chapter. One PEAL initiative that this S-PAC event should jump start is to involve local universities by providing an

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# Dayton Section Officers 2013

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## The Desch Award & IEEE Contribution Award

will be presented **Tuesday, Nov 5**, at the Engineers Club in Dayton

### Agenda:

- 6pm Social Hour
- 7 Buffet dinner (\$30)
- 7:45 Debbie Anderson will present the award to Dr. Zurada
- 8:15 Felicia Harlow & Dr. Ewing presents an IEEE Award to Les McFawn, Director for the Wright Brothers Institute
- Social hour until 9PM

Join Us!

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## IEEE PEAL will host a tour and meeting at DP&L's Yankee Road Solar Generation Facility



avenue for students to enrich their engineering studies through exhibiting a practical side to engineering, along with networking opportunities with local engineering professionals. The fundamental goal is to show students what PEAL is about and recruit active and engaged members to the PEAL chapter.

**Speaker Bio:** Mr. Dan Dull is a registered professional engineer and has over 15 years of experience with Dayton Power and Light in a variety of engineering functions on the transmission and distribution side of the business. He has been involved with Standards and Materials, Power Quality, Distribution Planning, and most recently with Protection and Control, a.k.a. "Relays". Other professional experiences include owning and operating an engineering consulting firm specializing in power quality for 6 years and teaching a continuing education class about power quality for the Association of Energy Engineers for 15 years. Dan's educational background includes a BSEE from Wright State '90 and two degrees in Agronomy from The Ohio State University, BS '83 and MS '85. He has been an IEEE member for over 20 years and is a past chair of the IEEE Dayton Section's Power Engineering Society Chapter in the 1990's.

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## Twenty-fifth Annual Fall Joint Meeting of Miami Valley Computing Societies

### 3D Printing—What will you be printing?

For a visual and creative marketing person, the explosive development that is happening in 3D Printing technologies today provides endless opportunities to grab people's attention with a plethora of amazing and sometimes unbelievable messages and applications.

With the recent advent of consumer-level personal 3D printers, Brent is currently involved in opening and marketing 3D printing retail, "brick and mortar" stores where consumers and businesses alike can walk in and experience this technology first hand in action, model a 3D printable part and even 3D scan themselves and see it printed in 3D. GetPrinting3D Evanston, the pilot store, is in downtown Evanston, IL, just a few minutes north of Chicago and their second store is here in Dayton at Bastech's corporate headquarters on North Dixie Dr.

Father of three sons, married and residing in Riverside, family is on top of the priority list. Cycling, fishing, fitness and church fill the time that's not spent thinking up new ways to get the message of 3D printing out. Schooling includes Patterson Co-op High School and Sinclair Community College.

## Joint Meeting Dinner Reservations Required

Sign up or Download the Flyer at

<http://asqdayton.weebly.com/september-24th-annual-meeting.html>

Map online at <http://www.sinclair.edu/help/map/index.cfm>

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Prefer to get the mailed version of the Mini? Contact Bob Cooper 298-2062 or Bobc9101@sbcglobal.net



## International Conference on Connected Vehicles & Expo: Call for Papers & Presentations

2-6 December 2013 | Las Vegas, Nev.

The 2nd annual [International Conference on Connected Vehicles & Expo](#) (ICCVE 2013) will be held at the Rio All-Suites Hotel and Casino 2-6 December 2013, in Las Vegas. Co-sponsored by more than 20 societies and organizations, ICCVE 2013 is the premier connected vehicles conference that gathers all the relevant communities together. During the five-day conference, more than 2,000 experts, practitioners and policy-makers from all around the world will present the latest innovations and advances on connected vehicles, share the experience and insights, forecast the trends and opportunities, and discuss policy, economics and social implications. Conference organizers have issued a [call for papers](#), and a [call for presentations](#) for its industry forums. The deadline for both calls is 23 Sep



## IEEE★USA today's engineer

A local legend is featured in this month's issue of "Today's Engineer" magazine.



### [Engineering Hall of Fame: Charles Kettering](#)

Charles Kettering was one of the most distinguished (and wealthiest) engineers of the twentieth century, serving for decades as the director of General Motors' research division. It was as an EE that he first earned his reputation and his fortune, before moving on to a distinguished career in research management and a broader interest in automotive engineering as a whole.

... Kettering became interested in a newer and more rapidly evolving technology, the automobile, and looked in his spare time for ways to improve it.

Read more at:  
<http://www.todayseengineer.org/2013/Aug/history.asp#sthash.JKs6lUI4.dpuf>