Central Indiana Section Conference

The Central Indiana Section IEEE is holding an exciting two day conference November 8th and 9th at the Indianapolis Marriott East. Presentations will be provided from various IEEE societies and affinity groups. Please plan on attending this annual event and network with your fellow colleagues.

Conference Schedule

<table>
<thead>
<tr>
<th>Times</th>
<th>Friday November 8</th>
<th>Saturday November 9</th>
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<tbody>
<tr>
<td>8:00 am-8:15 am</td>
<td>Welcome/House Keeping</td>
<td>Welcome/House Keeping</td>
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<tr>
<td>8:15am-9:15am</td>
<td>Computer Society</td>
<td>CEICN (Consultants Network)</td>
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<tr>
<td>9:15am-10:15am</td>
<td>Computer Society</td>
<td>CEICN (Consultants Network)</td>
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<tr>
<td>10:15am-10:30am</td>
<td>Break</td>
<td>Hotel</td>
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<tr>
<td>10:30am-11:30am</td>
<td>Signal Processing Society</td>
<td>PACE (Professional Activities Committees for Engineers)</td>
</tr>
<tr>
<td>11:30am-12:30pm</td>
<td>Lunch</td>
<td>Hotel</td>
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<tr>
<td>12:30pm-1:30pm</td>
<td>Signal Processing Society</td>
<td>WIE (Women in Engineering)</td>
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<tr>
<td>1:30pm-2:30pm</td>
<td>Communications Society</td>
<td>WIE (Women in Engineering)</td>
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<tr>
<td>2:30pm-2:45pm</td>
<td>Break</td>
<td>Hotel</td>
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<tr>
<td>2:45pm-3:45pm</td>
<td>Communications Society</td>
<td>GOLD (Graduates of Last Decade)</td>
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<tr>
<td>3:45pm-4:45pm</td>
<td>Kevin Van-Fort Wayne</td>
<td>GOLD (Graduates of Last Decade)</td>
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</table>

Registration Fees:
IEEE Members = $50 per day or $80 for both days
Non IEEE Members = $80 per day or $140 for both days
Student Members = $35 per day or $60 for both days
Non IEEE Student = $45 per day or $70 for both days

* Anybody registering after Nov 1, 2013 mid night EDT would be charged +20%. In order to keep attendee’ costs low, the Central Indiana Section has agreed to subsidize costs. Registration fee includes daily presentation materials, all meals (continental breakfast, morning break, lunch, and afternoon break)

Price for the exhibitors: $250 (1 attendee + $100 for each additional
Sponsorship opportunities are also available
Registration will be available in at: http://www.cis-ieee.org/
Any questions please contact David Koehler email: David.Koehler@ieee.org

See next page for more details
Confirmed Speakers:

**Communications Society**
Gongjun Yan, Ph.D., Assistant Professor of Informatics
School of Science, Indiana University Kokomo
Title: Towards Providing Scalable and Robust Privacy in Vehicular Networks

**Consultants Network**
Matt Schantz is an Intellectual Property Lawyer and IEEE member. Title and abstract of presentation will be confirmed in the next month.

John Layden is a supply chain velocity expert and owner of the Ancelus database product. Title and abstract of presentation will be confirmed in the next month.

**Signal Processing Society**
Mimi Boutin, Professor Purdue University, Chair Signal Processing Society
Title: The "Inverse Recipe" problem: how to figure out the amount of each ingredient used to prepare a food from its label

Edward Delp, Video and Image Processing Laboratory, School of Electrical and Computer Engineering, School of Biomedical Engineering, Purdue University
Title: That Thing In Your Pocket Is Really A Computer! The Future of Mobile Computing

**Computer Society**
Paul Lin, Professor Department of Electrical, Computer, and Information Technology College of Engineering, Technology, and Computer Science Indiana University-Purdue University
Title 1: Design Issues for Electronics Health Record Using Cloud Computing Technologies
Title 2: Design of a Reliable Communication System using Cloud-Based Technologies for Corrosion Monitoring System

**Graduates of Last Decade (GOLD)**
Jennifer Williams, Director, Office of Career Services and Professional Development, Purdue School of Engineering and Technology, IUPUI
Title: Interview, resume building, and job seeking skills necessary for today's business environment.

**Professional Activities Committees for Engineers (PACE)**
Don Bramlett, IEEE Region 4 Advisor
Title: Leadership Skills

Kevin VanZuilen: Chair IEEE- Fort Wayne Section
Title: Failure Analysis of Electronic Components

Fig 1. Presentations at previous CIS IEEE Conferences
PES/IAS/PELS News

Earl Hill, Chair, PES/IAS/PELS
Ben Huckaba, Vice-Chair, PES/IAS/PELS

The PES/IAS/PELS has an active fall planned. Its September meeting was on Load Testing for facilities that include Data Centers and Utility Substations. Speakers Mark Siira of ComRent® International and Wayne Stec of Distregen, LLC addressed the benefits, economics, industry trends, innovations, and lessons learned of using load banks to test and commission electrical and thermal systems.

In October the section plans a 4-5 week short course on Circuit Breakers to be taught by industry vendors and testing professionals. Details are still forthcoming (will be posted at www.cis-ieee.org), but attendees can expect informative and educational sessions each Tuesday in October.

The section plans Role of Power Electronics in Future Electric SMART Grid for its November meeting, with Dr. Ram Adapa of EPRI presenting. Finally, the January meeting will be GIS Integrated Analytics for Preventive Maintenance and Storm Response, where John Lauletta of Exacter, Inc. explains the role of GIS for utilities in the future.

ADVERTISEMENT

Save Money
Shorten your compliance testing time by learning how to design for EMC

EMC by Your Design
An EMC Practical Applications Seminar and Workshop with a free 45 min. individual product design evaluation on Oct. 11, take home proprietary computer program, expanded chapter on filter design, signal integrity, and signal return currents on PCB’s at no extra charge
October 8 - 10, 2013 (Tues. - Thurs.) Hilton Hotel, Northbrook, IL
We are offering a special $300 discount if you register by Sept. 16, 2013
Classes fill quickly so register early email cgorowski@dlssemc.com or call 847-537-6400 www.dlssemc.com/emcdesignseminar
Save Money

Shorten your compliance testing time

by learning how to design for EMC

EMC by Your Design

An EMC Practical Applications Seminar and Workshop


**Hilton Hotel, Northbrook, IL**

847-537-6400

[www.dlsemc.com/emcseminar](http://www.dlsemc.com/emcseminar)

Learning how to design your product so that it complies with EMC regulations can save you from having a finished product that fails during its regulatory compliance testing. Re-designing or adding fixes to a failed product can be expensive and time consuming. By taking the EMC by Your Design Seminar, you will learn the fundamentals of electro-magnetic compatibility, including understanding the many EMC regulatory requirements such as FCC, CE, US Military, RTCA-DO-160 and those of most foreign countries. You will learn the methodology of how to minimize EMC problems, starting with the design process through final testing and approval, all of which will be brought to life through hands-on practical application to real life products. Also included will be a guided tour of the largest independent EMC and Product Safety facility in North America.

This newly updated curriculum was developed by Donald L. Sweeney and his associates. It includes how an electronic circuit becomes a radio transmitter, how the physics of even the simplest devices such as capacitors, inductors and shielding can help or hinder compliance and how to control the design to minimize emissions. Students will be lead step-by-step through sample calculations, be introduced to take-home proprietary software and be led through trouble shooting a product that does not meet the requirements. Additionally, attendees will be offered an exclusive, hands-on personal consultation with the instructor or a member of his technical staff to apply what has been learned to their specific product, possibly saving tens or hundreds of thousands of dollars in reduced testing, reduced time to market and reduced final product cost.
### 2013 Meeting Calendar

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<thead>
<tr>
<th>Date</th>
<th>Host</th>
<th>Subject</th>
<th>Location</th>
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<tbody>
<tr>
<td>Monthly</td>
<td>CIS</td>
<td>Executive Committee Meeting</td>
<td>ET103, IUPUI</td>
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<td></td>
<td></td>
<td>Annual Planning Meeting</td>
<td>Internet/Phone Bridge</td>
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... Check the [Section web page](http://) for details and current information.

### ADVERTISER EVENT

**October 8, 2013**

**DLS**


See Advertisement on Page 3

**Hilton, Northbrook, IL**

### Central Indiana Engineering Web Links

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<td><a href="http://acecindiana.org">acecindiana.org</a></td>
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<td>ASCE</td>
<td><a href="http://inasce.org">inasce.org</a></td>
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<td>ASME</td>
<td><a href="http://sections.asme.org/central_indiana">sections.asme.org/central_indiana</a></td>
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<td>ASM-INDY</td>
<td><a href="http://asm-indy.org">asm-indy.org</a></td>
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<td>CIECN</td>
<td><a href="http://indy-engineer.dnsalias.com">indy-engineer.dnsalias.com</a></td>
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<td>CINLUG</td>
<td><a href="http://cinlug.org">cinlug.org</a></td>
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<td>INCOSE</td>
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<td><a href="http://SimNet.org">SimNet.org</a></td>
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<td><a href="http://Techpoint.org">Techpoint.org</a></td>
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**Distribution:** The Reporter is made available electronically to the approximately 1800 IEEE members within the Central Indiana Section, including student members and faculty of Purdue, IUPUI, Rose-Hulman Institute of Technology, and ITT Technical Institute.
Central Indiana Section Active Volunteers

Director (1st Year)
Vacant

Director (2nd Year)  (812) 223-6520
Phil Walter  Phil.Walter@ieee.org

Chair  (317) 441-2076
David Koehler  David.Koehler@ieee.org

Vice Chair
Vacant

Treasurer  (317)-230-6287
Tim Alt  tim.alt@ieee.org

Secretary  (812) 337-4809
Stavan Dholakia  stavandholakia@ieee.org

Power & Energy/ Industry Applications Societies  (317) 726-1236
Earl Hill  eshill@loma-consulting.com

Power Electronics Society  317-441-1389
Tim Alt  tim.alt@ieee.org

Computer Society  (317) 888-0611
Joseph Benek  joseph.benek@wicor.com

Signal Processing Society  (765) 494-3538
Mimi Boutin  mboutin@ecn.purdue.edu

Engineering in Medicine and Biology Society  (317) 278-7604
Jake Chen  jakechen@iupui.edu

Communications Society  (812) 237-3451
Xiaolong Li  Xiaolong.Li@indstate.edu

Central Indiana Engineering Consultants’ Network (CIECN)  (317) 679-6194
Brad Snodgrass  bsnodgrass@ieee.org

Membership Development  (317) 726-1236
Earl Hill  eshill@loma-consulting.com

Professional Activities (PACE)
Vacant

Newsletter Editor  (765) 494-7491
Helen McNally  mcnallyh@purdue.edu

Communications Information Officer
Vacant

Central Indiana Section Active Volunteers (cont'd)

Finance Committee
Vacant

Webmaster  (317) 838-2268
Bob Evanich  b.evanich@ieee.org

GOLD Chair  (317) 340-5905
Diana Vasquez  dcvasque@ieee.org

Constitution and Bylaws  (812) 237-3399
Yuetong Lin  lin.yuetong@gmail.com

Historian  (317) 845-5050
Marvin Needler  mnpn@juno.com

Pre-University/Student Affairs  (317) 679-6194
Brad Snodgrass  bsnodgrass@ieee.org

IUPUI Student Branch
Yao-Bin Chen  ychen@iupui.edu

ITT Tech Student Branch CIS-IEEE Representative
Mohammed Boudaia  MBoudaia@itt-tech.edu

Rose - Hulman Institute of Technology Student Branch
Keith Hoover  heath.e.hoover@rose-hulman.edu

Purdue University Student Branch
Chih-Chun Wang  chihw@purdue.edu

Editorial Policies

Each issue of The Reporter typically references three months - the month in which it is published and the following two months. The Reporter is typically published in March, June, September, and December.

Material to be included should be submitted mid-month prior to the month it is to be published. For example, material intended for the September issue should be submitted to the Editor by August 15. The Editor will send a reminder to all IEEE Central Indiana Section entities by the 15th of the month to submit their updates.

Copy should be submitted electronically. Photographs are desirable. Advertisements are welcome. Contact the editor for layout sizes and rates.
How Do You Communicate??

Want to know what is happening in Central Indiana Section? Don’t know where to look? Already inundated with E-Notices? Need to ask a question? Want to find an expert? Got a meeting idea?

Here are some of many communication channels available in Central Indiana Section

**Linkedin**

Find the Central Indiana Engineering Consultants’ Network and the Central Indiana Section Communications Society, as well as several other IEEE related organizations on LinkedIn.

**Facebook**

Student Branch members are encouraged to join “CIS-IEEE Student Branches” group on Facebook. Several opportunities for students and student branches have been posted there. The Facebook group also provides an opportunity for CIS student members to interact or to make contact with student members outside of Central Indiana. There is no substitute for a good network, but be aware that some hiring managers are also checking these sites.

Communications Society members can find “COMSOC – Central Indiana Section” on Facebook.

**CIS Home Pages**

Start with the main site. ([www.cis-ieee.org](http://www.cis-ieee.org)) Check out the calendar of events, or link to the many IEEE groups in Central Indiana Section, including all of the Student Branches.

Not getting E-Notices? E-Notices are not only a resource for keeping in touch with the activities throughout CIS, but you will also receive information on topics of interest throughout IEEE

**E-Notices**

Login to myIEEE from the IEEE Home Page ([www.ieee.org](http://www.ieee.org)) and sign-up! at the main site. ([www.cis-ieee.org](http://www.cis-ieee.org)) Check out the calendar of events,