

THE REPORTER

Journal of the Central Indiana Section • IEEE

David Koehler, Newly Region 4 Director-Elect

David Koehler was recently elected by the IEEE Region 4 voting members to the position of Region 4 Director-Elect. David is the third known member from the Central Indiana Section to be elected to this position. In 2017-2018 David will serve as the Region 4 Director-Elect, chairing the IEEE Region 4 Strategic Planning Committee. In 2019-2020 David will serve as the IEEE Region 4 Director.

David received his Bachelor's Degree in Chemistry from Indiana University and obtained his M.B.A. He is the New Business Development and Technical Manager for the Doble Engineering Company Insulating Materials Laboratories. He has 19 years of experience in the testing of insulating liquids and management of analytical laboratories. He has provided numerous technical presentations and published technical articles within the power industry. David serves as the Doble Engineering Insulating Materials Committee Asst. Secretary and on the ASTM D-27 Technical Committee on Electrical Insulating Liquids and Gases. In 2011, David was an Executive Committee Member of the Indiana American Chemical Society and remains active within the organization.

David has previously held the following positions within the Central Indiana Section:

- Advisor, Central Indiana Section 2016-Present
- Director, Central Indiana Section 2015
- Chair, Central Indiana Section 2012, 2013, 2014
- Treasurer, Central Indiana Section 2010, 2011

Power & Energy / Industry Applications / Power Electronics Society News

Diana Vasquez, Chair, PES/IAS/PELS
Ben Huckaba, Vice-Chair, PES/IAS/PELS
Gary Rhodes - Secretary, PES/IAS/PELS
Jerry Hohn - Treasurer, PES/IAS/PELS
Mike Darnell - L31 Office, PES/IAS/PELS

2016 PES High Performing Chapter Program

The Central Indiana PES was once again awarded the PES High Performing Chapter Program for 2015 performance. The Chapter received \$200 to be used towards its operating expenses as a result of this recognition. More information about the PES High Performing Chapter Program can be found using the link below:

<http://www.ieee-pes.org/meetings-and-conferences/calendar/monthly-view/view/176>

Combined Heat and Power: Project Development and Related Technologies

On September 15 the Midwest Cogeneration Association, IEEE and Bingham Greenebaum Doll sponsored a half day seminar over the concepts, benefits, and opportunities of Combined Heat and Power (CHP) that generate electricity and thermal energy for commercial, institutional, and industrial applications. The meeting was well attended and very informative for all in attendance.

IEEE Certificates Program Changes for 2017

A new fee policy for the IEEE Certificates Program will go into effect as of 1 January 2017. IEEE Certificates Program, Educational Activities works with Societies, Sections, Chapters, and other IEEE units to deliver CEU certificates, PDH certificates, and certificates of participation directly to attendees of their educational events via e-mail.

As a result of program growth over the years, IEEE now has to charge a modest fee to ensure financial sustainability and continued program improvement. As a result, the PES/IAS/PELS Central Indiana Chapter is working to determine how it will address these charges for CEU/PDH certificates for attendees going forward. More information on the fee structure for 2017 will be announced along with the 2017 events, which will be announced on the Section website in the New Year.

Congratulations to the 2016 EnCON Student Poster Contest Winners!
Michael Hayashi, Section Student Representative

Undergraduate Winner:



Jessica Zurcher

Indiana Institute of Technology

Real-Time Control of an Electric Wheelchair using Noninvasive Motor Imagery EEG Signals from Human Motor Cortex Region

Graduate Winner:



Meet Desai

Indiana Institute of Technology

Implementation of Computational Intelligence in Neural Signal Processing to Advance Brain-Machine Interface

Retrospective on CIS-IEEE Young Professionals Events

Michael Hayashi, Section Student Representative



Attendees Converse with Each Other at the Social and Networking Dinner in Indianapolis

The Central Indiana Section put its plan to engage IEEE Young Professionals into action this year. Two separate events were held to encourage Young Professionals to participate in section activities. The first was an outing to Sonka Irish Pub in Terre Haute on March 10 after a CIS-IEEE Networking Dinner. The second was a dinner with students at Yard House in downtown Indianapolis on November 4.

Under the auspices of Jonah Crespo, the first Young Professionals event was held immediately after the March CIS-IEEE ExCom meeting. The motivation for this event was to build a symbiotic relationship between normal section activities and Young Professionals events by holding events near each other so that Young Professionals attending would not need to make special trips. The casual pub atmosphere made for a fun night sharing ideas about technology and stories from the field with each other. From this first experience, an additional event was planned.

The second Young Professionals event in the section was held on the eve of 2016 IEEE EnCON. Students and Young Professionals coming to Indianapolis for the conference had a chance to visit downtown for a pleasant evening. With the help of Umama Tasnia, the IEEE Region 4 Young

Professionals Chair, accommodations were made at Yard House for more than twenty of the people descending upon the conference venue. Attendees shared their early-career experiences and knowledge from a variety of industries while enjoying each other's company. The Central Indiana Section would like to thank IEEE Region 4 for their support of this event.

Call for Volunteers

The IEEE Central Indiana Section is always looking for energetic members that have a little time to help their section and community. We currently have the following Executive Committee positions open:

- **Young Professionals Chair**
- **Section Vice Chair**
- **Membership Development Chair**

If you have an interest in volunteering for any of these positions, would like more details on the positions, or want to help serve your local IEEE Section in any other capacity, please contact Bob Evanich:

b.evanich@ieee.org

Volunteering can also be a good resume builder and as always, thank you for volunteering!!

2016 Meeting Calendar			
Date	Host	Subject	Location
Monthly	CIS	Executive Committee Meetings	Internet/Phone Bridge
... Check the Section web page for details and current information.			

Central Indiana Engineering Web Links

ACEC	American Council of Engineering Companies, Indiana	acecindiana.org
ASCE	American Society of Civil Engineers	inasce.org
ASME	American Society of Mechanical Engineers	sections.asme.org/central_indiana
ASM-INDY	American Society for Metals - Indianapolis	asm-indy.org
CIECN	Central Indiana Engineering Consultants' Network	indy-engineer.dnsalias.com
CINLUG	Central Indiana Linux Users Group	cinlug.org
IHIF	Indiana Health Industry Forum	ihif.org
INCOSE	International Council on Systems Engineering	incose-coa.org
INDSPE	Indiana Society of Professional Engineers	indspe.org
INDYASHRAE	American Society of Heating, Refrigeration, and Air Conditioning Engineers	indyashrae.org
NSBE-IAE	National Society of Black Engineers - Indianapolis Alumni Extension	nsbe-ip.org
PIMCIC	Project Management Institute - Central Indiana Chapter	pmicic.org
SAE	Society of Automotive Engineers, Indianapolis	saeindiana.org
Sciencetech	Sciencetech Club in Indianapolis	sciencetechclub.org
SHPE	Society of Hispanic Professional Engineers	shpe-indiana.org
SIM	Indianapolis Chapter of Society for Information Management (SIM)	SimNet.org
SWE-CI	Society of Women Engineers - Central Indiana Section	swe-ci.com
Techpoint	A diverse collection of technology-based Indiana industries.	Techpoint.org

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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, Rose-Hulman Institute of Technology, IUPUI, Ball State and Indiana State

Central Indiana Section Officers

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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 25th of the month to submit their updates.

Copy should be submitted electronically. Photographs are desirable. Advertisements are welcome. Contact the editor, Umama Tasnia, for layout sizes and rates at umama.tasnia.us@ieee.org

How Do You Communicate??

Follow Section Social Media

Want to know what is happening in Central Indiana Section? Don't know where to look? Already inundated with eNotices? 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



- Conference Facebook Page: 2016 Ieee-Cis Encon Conference & Workshop
<https://www.facebook.com/IEEECISEnCON/>
- Section Facebook Page: IEEE - Central Indiana Section
<https://www.facebook.com/IEEE-Central-Indiana-Section-1426165320970908/?ref=ts>
- WIE Facebook Page: IEEE - CIS Women in Engineering
<https://www.facebook.com/IEEE-CIS-Women-in-Engineering-223901364430386/?ref=ts>
- Student Branch members are encouraged to join "IEEE Region 4 SAC":
<https://www.facebook.com/groups/r4sac/>
- IEEE's own Social network provides participants with professional and technical networking opportunities in and around Indianapolis.
<https://ieee-collabratec.ieee.org/app/community/54/activities>



CIS Home Pages

- Start with the main site. (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.

Conference Page

- Check Out Conference details: Program Overview, Workshop Info, Speakers, Student Poster Contest and Registration Info : (<http://cis-ieee.org/EnCON>)
- 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

eNotices

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