

THE REPORTER

Journal of the Central Indiana Section □ IEEE



Annual Central Indiana Picnic and Indianapolis Indians Baseball Game

Sunday, July 16, 2017

Picnic: 12:30 PM

Game: 1:35 PM

1st Base Party Terrace

Victory Field

Spring is almost here and it's time to start thinking about Baseball! Register for your tickets early to get a discount and before they run out. Bring your family and hang out with your fellow IEEE members while enjoying a catered lunch on the 1st base party terrace and cheer for your Indianapolis Indians as they take on the Louisville Bats.

The gates open at noon, the game starts at 1:35pm and goes till it's over (average professional baseball game lasts 2 hours and 50 minutes). Lunch is laid out between noon and 12:30 and is usually left out for a couple of hours. Included drinks (water, soda, & beer) are available from noon until the game ends. Other alcoholic beverages can be purchased up until the end of the 7th inning. Your tickets will be available under your name at Victory Field's will-call window on the day of the game.

Our ticket prices remain the same as last year!

Register before June 15:

- \$25 IEEE Members and Adult Guests
- \$15 IEEE Student Members
- \$15 Child Guests aged 3-17 (children 2 and under are free)

Register after June 15th

- \$30 IEEE Members and Adult Guests
- \$15 IEEE Student Members
- \$15 Child Guests aged 3-17 (children 2 and under are free)

<https://meetings.vtools.ieee.org/m/44290>

National Engineers' Children's Day at The Children's Museum of Indianapolis Saturday, February 25, 2017



On Saturday, February 25, more than 300 children learned something about engineering by participating in several hands-on engineering activities that were set up throughout the Children's Museum of Indianapolis. Over 60 volunteers from IEEE, ASME, SWE, NSHPE as well as students from Purdue, IUPUI and Rose Hulman helped children explore what engineers do. This was the 12th year that we have held this event.



IEEE Women in Engineering Leadership Summit
October 5-6, 2017
Marriott Downtown Indianapolis

We are excited to announce that our section has been selected to host an IEEE WIE Leadership Summit. We are in the early stages of planning, but are planning a Summit similar to the one held in Detroit in 2016 (<http://www.swe-ci.org/>). Watch your email for more information. Please contact Isabel Lujan at isabel.lujan@ieee.org, if you would like to help with the summit or be part of the planning committee.

EnCON 2017
November 10-11, 2017
Indiana University

An Engineering Conference at IU?? That's right! In case you haven't heard, Indiana University has started an Engineering Program and to help get the word out, we are partnering up with IU to host this year's EnCON conference down in Blooming, IN. If you attended last year's EnCON, you probably remember the exhibit of Spaces and Places, <http://scimaps.org/>, as well as the lunch presentation by Dr. Katy Börner on the work that the School of Informatics and Computing at IU has done on the visualization of data. We are in the early stages of planning the conference, but are planning this to be the best EnCON yet! Mark your calendars for November 10 and 11, 2017.

Find out more about the Bachelor of Science in Intelligent Systems Engineering at IU at <http://www.soic.indiana.edu/undergraduate/degrees-certificates/bs-engineering/index.html>



Katy Börner

<http://info.slis.indiana.edu/~katy/>

Ball State University

Chapter Updates

1. Recently our chapter competed in an event called Website Thru the Night. A few of our members helped build a website for a local non-profit called Philips Outdoor Center. The event was a great opportunity for us to contribute to the community. Here is a link to the event <https://websitethruthenite.com/>. We also partnered with BSU's Women Working in Technology group for this event.

2. We have continued to sponsor workshops at our local Boys and Girls club. These events are called tech tables. These events help students learn and work directly with technology.

3. Aside from outreach our branch is having Jacklyn Kelly (Client Services Manager from IEEE) come to speak at our upcoming March meeting.

4. As a final note, we are attempting to boost membership at our branch. This is a difficult task since our focus program that members are recruited from only last 11 months. By the end of May we hope to develop a stable transition plan that will help future chapter members and leaders to both fulfill and succeed in their roles.



Advertisement

Using Latest EMC Design Book

Controlling Radiated Emissions by Design, 3rd Edition, 2014
Contributed to and edited by Donald L. Sweeney



EMC by Your Design Seminar

An EMC Practical Applications Seminar and Workshop

Take home the most recent EMC Design Book plus a proprietary computer program, a notebook of slides, an expanded section on filter design, signal integrity, and signal return currents on PCB's. Receive a free 45 minute individual product design evaluation.

April 25-27, 2017 (Tues. - Thurs.)
Hilton Hotel, Northbrook, IL



\$300 discount if you register by April 4, 2017.
We are also offering a special 50% discount on the April seminar to attendees of previous D.L.S. seminars who used the 1st or 2nd edition.

Classes fill quickly so register early
email cgorowski@dlsemc.com or call 847-537-6400
www.dlsemc.com/seminar

Don't forget to schedule your free product review when you register.

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

Central Indiana Section of IEEE Renewable Energy Conference: March 30, 2017

The Central Indiana Section of the IEEE is hosting a Renewable Energy Conference at Rose-Hulman Institute of Technology on Thursday, March 30, 2017.

CONFERENCE PROGRAM

Solar in our System – IPL Integration of Solar PV <i>John E. Haselden, Principal Engineer, Corporate Affairs - AES</i>	1:00 – 1:45 PM
A Co-Ops Approach to Balancing a Generation Portfolio and the Integration of Renewable Energy into the Rural Mid-West <i>Heath Norrick, Manager, Renewable Energy - Hoosier Energy REC</i>	1:45 – 2:30 PM
Tour of Rose-Hulman Institute of Technology Power Lab	2:40 – 3:20 PM
Interconnecting Renewable Energy with Duke Energy-Indiana <i>Nancy Connelly, Lead Engineer, Distribution Protection, Automation & Control</i> <i>Andrew Ritch, Manager, Distributed Energy Resource Strategy - Duke Energy</i>	3:30 – 4:15 PM
Renewable Energy's Impact on Power Systems <i>Ben Huckaba, President, Alpha Engineering, Inc.</i>	4:15 – 5:00 PM

Registration fee applies. To register, and for more information, please visit <https://meetings.vtools.ieee.org/m/43341>.

Conference Date & Time

Thursday, March 30, 2017

Conference: 1:00 PM – 5:00 PM

Conference Address

[Rose-Hulman Institute of Technology](#)
[5500 Wabash Ave.](#)
[Terre Haute, IN](#)
[John T. Myers Center, Room M137](#)

BorgWarner Indiana Tech Center Tour: May 16, 2017

BorgWarner is a global technology leader in powertrain solutions. It operates in two groups: The Engine Group develops air management strategies and products to optimize engines for fuel efficiency, reduced emissions and enhanced performance. The Drivetrain Group harnesses a legacy of more than 100 years as an industry innovator in transmission and all-wheel drive technology. Once can learn more about the company at <https://www.youtube.com/user/BorgWarnerCorporate>.

The BorgWarner facility in Anderson and Pendleton is focused on electromechanical machines and power electronics to enable powertrain electrification. They have systems that span from standard automotive generators (typically called alternators) all the way to Hybrid Bus machines. The Anderson facility is where prototypes and limited small production are made of these systems.

You are welcome to join the Central Indiana Section on May 16, 2017 for a presentation on some of these systems and a tour of the facility. Networking will start at 6:00 PM and the meeting will start at 6:30 PM. Parking is on the West side of the building, please enter on the South entrance. Advance registration is requested.

Light refreshments will be provided.

The meeting is free to attend, but certificates for CEU's and PDH's now require a \$10 fee from IEEE. Number of CEU's/PDH's will be awarded per length of the tour.

Registration and CEU/PDH Certificate must be requested and paid for on-line before the meeting - no cash will be accepted at the meeting location.

For additional information please contact Dave Peter, Staff Engineer, Power Electronics at dpeter@borgwarner.com.

To register please visit <https://meetings.vtools.ieee.org/m/43341>

Tour Date & Time

Tuesday, May 16, 2017

Networking: 6:00 PM – 6:30 PM

Tour: 6:30 PM – 8:00 PM

Tour Address

[Borg Warner Indiana Tech Center](#)

[6628 Production Dr, Anderson, IN 46013](#)

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**
- **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!!

2017 Meeting Calendar			
Date	Host	Subject	Location
Monthly	CIS	Executive Committee Meetings	Internet/Phone Bridge
March 16, 2017	CIS	Ex-Com Meeting	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
Scientech	Scientech Club in Indianapolis	scientechclub.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

Section Advisor David Koehler	(317) 441-2076 david.koehler@ieee.org	Professional Activities (PACE) Vincent Socci	socci@ieee.org
Director (Past Chair) Phil Walter	(812) 223-6520 phil.walter@ieee.org	Newsletter Editor Henry Shi	(917) 622-2521 shi206@purdue.edu
Chair Bob Evanich	(317) 838-2268 b.evanich@ieee.org	Webmaster Oladodja Gbadamassi	(317) 531-5356 ogbadama@umail.iu.edu
Vice Chair Michael Hayashi	(361) 437-4300 michael.hayashi@ieee.org	EnCon Conference Chair Chris Foreman	(765) 494-6219 jchrisf@purdue.edu
Treasurer John Kassebaum	(317) 250-7932 john.kassebaum@IEEE.org	Membership Development Jonah Crespo	(317) 850 - 6548 j.g.c@ieee.org
Secretary Niusha Rostamkolai	(812) 877-3999 rostamko@rose-hulman.edu	Educational Activities Chair Michael Hayashi	(309) 370-4274 michael.r.hayashi@ieee.org
Power & Energy / Industry Applications / Power Electronics Society Diana Vasquez	(317) 340-5905 dvasque@ieee.org	Nominations Chair Phil Walter	(812) 223-6520 phil.walter@ieee.org
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Signal Processing Society Jan Allebach	(765) 494-3535 allebach@purdue.edu	Student Activities Chair Michael Hayashi	(309) 370-4274 michael.r.hayashi@ieee.org
Engineering in Medicine and Biology Society Helen McNally	(765) 494 -7491 mcnallyh@purdue.edu	Ball State Student Branch Conner Morse	(317) 517-0993 dcmorse@bsu.edu
Communications Society John Greene	(765) 591 - 6433 jgreene@nltc.net	Indiana State Student Branch Jacob Warrick	(765) 299-2195 jwarrick2@sycamores.indstate.edu
Central Indiana Engineering Consultants' Network (CIECN) Chairs Will Kassebaum	(317)-225-4126 will.kassebaum@IEEE.org	IUPUI Student Branch Tanner Atkins	(317) 694-9238 tkatkins@iupui.edu
Women in Engineering Isabel Lujan	(812) 565-3777 isabel.lujan@ieee.org	IUPUI Student Branch - Elect Aalan Miranda	(317) 702-6342 aamirand@imail.iu.edu
Young Professionals Jonah Crespo	(317) 340-5905 jgcrespo@umail.iu.edu	Purdue University Student Branch Flor Albornoz	(702) 406-5828 falborn@purdue.edu
		Rose-Hulman Student Branch Jacques St. Louis	(352) 455-1034 stlouijv@rose-hulman.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 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/?fref=ts>
- WIE Facebook Page: IEEE - CIS Women in Engineering
<https://www.facebook.com/IEEE-CIS-Women-in-Engineering-223901364430386/?fref=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)