

THE REPORTER

Journal of the Central-Indiana Section • IEEE

CIS-IEEE ELECTION RESULTS

Congratulations and thanks are in order for the following persons who will be serving the section in 2012

Position

Chair
Vice-chair
Treasurer
Secretary
Director - 1st year
Director - 2nd year
Comp Soc Chapter
Comm Soc Chapter
EMB Chapter
PELS Chapter
PES/IAS Co-chapter
SPS Chapter
CIECN Co-chair
CIECN Co-chair
GOLD
Student Representative

Name

David Koehler
Yuetong Lin
Herschel Workman
Stavan Dholakia
Phil Walter
Steve Shen
Matt Etchison
Xiaolong Li
Jake Chen
Chapter is in formation
Earl Hill
David Love
Brad Snodgrass
William R. Kassebaum
Diana C. Vasquez
Open

Committees

Centennial Committee
Constitution/Bylaws
EIT2012 Planning Committee
Finance Committee
Historian
Indians Baseball Picnic Committee
Membership Development
Newsletter
PACE
Pre-university/Student Affairs
Webmaster

Name

Marvin Needler
Kishan Ranasinghe
Phil Walter
Joseph Benek
Marvin Needler
Phil Walter
Earl Hill
Helen McNally
Yaoyu Wang
Brad Snodgrass
Bob Evanich

Student Branch Advisors and Chairs

IUPUI Student Branch Advisor
IUPUI Student Branch Chair
Purdue U Student Branch Advisor
Purdue U Student Branch Chair
RHIT Student Branch Advisor
RHIT Student Branch Chair
ISU Student Branch Advisor
ISU Student Branch Chair
ITT Student Branch Advisor
ITT Student Branch Chair

Name

Yao-Bin Chen

Chih-Chun Wang
Seth Baklor
Keith Hoover
Andrew Milluzzi
Yuetong Lin
Eric Anshutz
Mohammed Boudaia

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The CIS 2012 Planning Meeting





SECTION NEWS

by Yuetong Lin

---- ISU has established its student chapter with at least twelve new student members. Four of them attended the Region 4 student leadership conference on October 15.

---- Dr. Xiaolong Li, an assistant professor of Electronics and Computer Engineering Technology at ISU, became an IEEE member and has volunteered to help the communication society.

---- Vice-chair Yuetong Lin has completed the review and revision of section bylaws. The draft was submitted to the Executive Committee for further discussion and actions.

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New Senior Members in CIS

Congratulations to the following newly upgraded senior members

- Jeffrey Duff
- Maryam Saedifard
- Jason Wells

* * * * *

EIT Conference – Indianapolis 2012

The Central Indiana Section of the IEEE is pleased to announce that the 2012 IEEE International Conference on Electro/Information will be held in Indianapolis in May 2012. It will be held at the IUPUI University Place Conference Center & Hotel. The IUPUI facility is an excellent venue, and will highlight IUPUI, CIS-IEEE and the city of Indianapolis.

In the past, the conference has focused on basic/applied research results in the fields of electrical and computer engineering as they relate to IT and its applications. The purpose of the conference is to provide a forum for researchers and industrial investigators to share principles, practices, concepts, and experiences and exchange ideas and discuss developments. The interplay between academy and industry results in a better understanding of the impact of this growing field. There will be exhibits where the latest technology tools and products will be showcased. This is also an opportunity for professional development, workshops and tutorials.

This conference is a major IEEE event and the CIS-IEEE is proud to have an opportunity to host it. Planning is well underway, and the CIS is looking for volunteers in a number of areas to support the conference. If you are interested, kindly consult our website, the EIT 2012 website, or contact Mr. Phil Walters, Phil.Walter@IEEE.org, CIS-IEEE Chair, for more details.

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2012 CIS-IEEE CENTENNIAL CELEBRATION

Has it already been 100 years? Time sure goes fast when you're on the cutting edge of technology, doesn't it? CIS-IEEE is planning a year-long celebration of its centennial. All members are welcome to suggest activities, commemorations, provide historical documents, plan events, provide historical memories, etc. Any of you who are so interested please contact any of the officers of CIS. We are especially interested in Senior/Life members whose history with CIS would provide a unique resource.

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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? Get a meeting idea?

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



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



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) Check out the calendar of events, or link to the many IEEE groups in Central Indiana Section, including all of the Student Branches.

E-Notices

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

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

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Central Indiana Section's K-12 Educational Outreach Mailing List

Want to keep abreast of all the educational activities in Central Indiana? Need help with or an idea for a project? Want to share ideas with educators, administrators, and engineers? You need to join the CIS K-12 Outreach Mailing List.

You need not be an IEEE member to join the list. In fact, we would like to have as many educators and administrators as possible on the list.

The only requirement is an interest in improving technological literacy in Central Indiana.

To Join, send an email message to LISTSERV@LISTSERV.IEEE.ORG with the following in the **body** of the message SUBSCRIBE CIS-K12-OUTREACH <full name>. (Example: SUBSCRIBE CIS-K12-OUTREACH Brad Snodgrass) Your email needs to originate from the email address at which you wish to receive messages.

For more information, you can contact Brad Snodgrass at bsnodgrass@ieee.org.

See you there.

For immediate release

Learn how to design your product to comply with the many EMC regulatory requirements at the lowest cost



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Students will learn 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. They 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 technical staff to apply what has been learned to their specific product, possibly saving them tens or hundreds of thousands of dollars in reduced testing, reduced time to market and reduced final product cost.

Classes start with the fundamentals of electromagnetic compatibility, including understanding the many EMC regulatory requirements including FCC, CE, US Military, RTCA-DO-160 and those of many foreign countries. It then focuses on the methodology of how to minimize EMC problems, starting with the design process through final testing and approval, all of which are 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.

Press Release submitted by
Marilyn Sweeney
D.L.S. Electronic Systems, Inc.
1250 Peterson Drive
Wheeling, IL 60090
847-537-6400
www.dlsemc.com

PRESS RELEASE

A note from your editor:

For the past four years it has been my pleasure to serve as your newsletter editor. I have decided to move on. Helen McNally has generously agreed to serve in 2012. As you have done for me in the past, please continue to supply her with articles, pictures, meeting schedules, notes of interest, etc. as that is what makes the newsletter!


Karl Huehne

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2012 Meeting Calendar

| Date | Host | Subject | Location |
|--------------------------------------|---------------------------------|--|--|
| Tuesday, January 10 | PES/IA/IUPUI Student Chapter | CIS-IEEE Centennial Seminar: Ball Lightning | Indianapolis Power & Light Engineering Building, Indianapolis |
| January TBD 6:00 pm | CIS | Executive Committee Meeting | TBD |
| Tuesday, February 7 | PES/IAS/CommSoc | New Developments in SCADA Communication, Protocols and Security | Indianapolis Power & Light Engineering Building, Indianapolis |
| Thursday, February 16, 6:00 pm | CIS | Executive Committee Meeting | TBD |
| Saturday, February 18 | CIS | E-Week at Children's Museum | Indianapolis Children's Museum |
| Tuesday, March 13 | PES/IAS | Advances in Partial Discharge Detection and Diagnosis | Indianapolis Power & Light Engineering Building, Indianapolis |
| March TBD 6:00 pm | CIS | Executive Committee Meeting | TBD |
| Tuesday, April 10 | PES/IAS | Small Modular Reactors | Indianapolis Power & Light Engineering Building, Indianapolis |

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|----------------------------------|------------------|-----------------------------|--|
| April TBD 6:00 pm | CIS | Executive Committee Meeting | TBD |
| Sunday May 6 – Tuesday, May 8 | IEEE, IUPUI, CIS | EIT 2012 | IUPUI University Place Conference Center & Hotel |
| Monday, May 7 | PES/IAS | Spring Short Course | IUPUI University Place Conference Center |
| May TBD 6:00 pm | CIS | Executive Committee Meeting | TBD |

... Check the [Section web page](#) for details and current information. 

ADVERTISER EVENT

| | | | |
|--|---|----------------------------|---------------------------------|
| Tuesday, April 17 – Thursday, April 19 | DLS www.dlsemc.com/1001 | EMC by Your Design Seminar | Hilton Hotel, Northbrook, IL |
|--|---|----------------------------|---------------------------------|

Central Indiana Section Active Volunteers

| | |
|---|---|
| Director Will Kassebaum | (317) 225-4126 Will.Kassebaum@ieee.org |
| Director Steve Shen | (317) 706-9215 sshenn@itt-tech.edu |
| Chair Phil Walter | (812) 223-6520 Phil.Walter@ieee.org |
| Vice Chair Yuetong Lin | (812) 237-3399 lin.yuetong@gmail.com |
| Treasurer David Koehler | (317) 441-2076 davidkoehler46259@gmail.com |
| Secretary Karl Huehne | (317) 985-5360 khuehne@ieee.org |
| Power & Energy/ Industry Applications Societies Earl Hill | (317) 726-1236 eshill@loma-consulting.com |
| Computer Society Matt Etchison | (317) 715-8598 Matthew.Etchison@inin.com |
| Signal Processing Society David Love | (765) 496-6797 djlove@ecn.purdue.edu |

Central Indiana Section Active Volunteers (cont'd)

| | |
|--|---------------------------------------|
| Webmaster Bob Evanich | (317) 838-2268 b.evanich@ieee.org |
| GOLD Chair Diana Vasquez | (317) 340-5905 dcvasque@ieee.org |
| Communications Society OPEN | |
| Constitution and Bylaws OPEN | |
| Historian Marvin Needler | (317) 845-5050 mnpn@juno.com |
| Pre-university/Student Affairs Brad Snodgrass | (317) 679-6194 bsnodgrass@ieee.org |
| IUPUI Student Branch Robin Macheel | ieee@iupui.edu |
| ITT Tech Student Branch CIS-IEEE Representative Mohammed Boudaia | MBoudaia@itt-tech.edu |
| Rose - Hulman Institute of Technology Student Branch – Faculty Advisor Robert Throne | throne@rose-hulman.edu |

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

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

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

Professional Activities (PACE)(317) 249-5247
 Yaoyu Wang yaoyuwang@yahoo.com

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Communications Information Officer
 OPEN

Finance Committee (812) 322-4651
 Herschel Workman herschel.workman@parttec.com

Purdue University Student Branch
 Tom Talavage tmt@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 at the beginning the month in which it is to be published. For example, material intended for the September issue should be submitted to the Editor by September 1. The Editor will send a reminder to all IEEE Central Indiana Section entities a couple of weeks earlier to submit their updates.

Copy should be submitted electronically. Photographs are desirable. Advertisements are welcome. Contact the editor for layout sizes and rates.

Central Indiana Engineering Web Links

| | | |
|-------------|--|---|
| ACEC | American Council of Engineering Companies, Indiana | acecindiana.org |
| ASCE | American Society of Civil Engineers | sections.asce.org/indiana |
| ASME | American Society of Mechanical Engineers | http://sections.asme.org/central_indiana/ |
| ASM-INDY | American Society for Metals - Indianapolis | asm-indy.org |
| CIECN | Central Indiana Engineering Consultants' Network | Indy-Engineer.net |
| CINLUG | Central Indiana Linux Users Group | cinlug.org |
| IBEN | Indiana Biomedical Entrepreneur Network | indianabionetwork.org |
| ICES | Indiana Council of Engineering Societies | in-ces.org |
| IHIF | Indiana Health Industry Forum | ihif.org |
| INCOSE | International Council on Systems Engineering | www.incose.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-iae.org |
| PIMCIC | Project Management Institute - Central Indiana Chapter | pmctic.org |
| SAE | Society of Automotive Engineers, Indianapolis | http://www.indianasae.org |
| Sciencetech | Sciencetech Club in Indianapolis | sciencetechclub.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, IUPUI, Rose-Hulman Institute of Technology and IIT Technical Institute.