CIS-IEEE ELECTIONS for 2012

Elections will be coming up soon. The CIS-IEEE Leadership Team has a number of positions to fill.

• Chair, Communications Society
• Chair, Fund Raising
• Chair, Constitution and Bylaws
• Section Secretary/Newsletter Editor

Any members who are interested in serving as officers, committee chairs, or in other roles are encouraged to contact the Nominating Committee (Earl Hill eshill@loma-consulting.com)

* * * * *

BASEBALL GAME/PICNIC FEEDBACK

The CIS-IEEE is interested in feedback from our annual baseball picnic at the Indianapolis Indians’ Victory Field on Sunday, August 7th. We are asking for every member to provide feedback about this event and for any suggestions you may have for improvement. This survey has four multiple-choice questions about some specifics of the Baseball Picnic (day, dates, food, ticket prices) and then room for open feedback and suggestions. The Survey can be found at: http://ieee.fluidsurveys.com/surveys/R40007/baseball-picnic/. Thank you for your time.

* * * * *

PURDUE EXTENSION MEETINGS

by courtesy of Duane Mattern

Purdue Extension is having a number of shortcourses and workshops in Indianapolis. Some local IEEE members might have some interest, particularly those with offices in Broadripple (see Entrepreneur Bootcamp).
PES/IAS SEPTEMBER 2011 NEWS
By Earl Hill, Chair, PES/IAS

The CIS-IEEE has been asked to start a Power Electronics Society (PELS) Chapter here in Central Indiana. This would be a joint chapter with the PES-IAS. Anyone who is interested in serving in the new chapter, kindly contact Earl Hill  
eshill@loma-consulting.com  
for details. Current members of the PELS are being asked to sign a petition – several have signed up, but we still need a few to meet the twelve members needed.

CIS-IEEE GOLD Chair, Diana Vasquez has entered into a video competition for the Second IEEE International Conference on Smart Grid Communications. Diana’s entry is “The Smart Grid: A Benefit & Innovative Solution”. All the videos are available at  
http://www.ieee-smartgridcomm.org/video.html. Please take a look and vote!

Meetings for Fall 2011

Overhead System Condition Assessment and Maintenance: Techniques and Benefits
The September meeting reviewed the root causes of equipment damage, the symptoms that result from weakened equipment, the opportunity to improve overall overhead distribution reliability, case studies to demonstrate the efficacy of predictive-based overhead system hardening, and the methodologies to develop conditions-based predictive maintenance programs. The review included high-voltage laboratory test methods and results that demonstrate the failure syndromes of weakened overhead equipment.

Presenter John Lauletta has been involved in electric utility measurement technology since 1975. John’s career includes ten years with American Electric Power as Measurements Manager, 14 Years as VP Scientific Columbus and most recently as President and CEO of Exacter, Inc.

Ethics and Statutes
The CIS-IEEE and Rose-Hulman Institute of Technology are pleased to announce a new Continuing Education course to meet the ethics and statutes requirements for Indiana Professional Engineers. In August 2010, state legislation passed the Continuing Education Rule, requiring Indiana Professional Engineers possessing active certificates to complete:

- thirty (30) hours of continuing education which meets the requirements of Indiana Code 25-1-4 in order to renew his or her Professional Engineer registration;
- at least one (1) hour of continuing education each biennium in ethics applicable to the practice of Professional Engineering; and
- at least one (1) hour of the continuing education each biennium in Indiana Statutes and Rules applicable to the practice of Professional Engineering.

The CIS-IEEE and Rose-Hulman are offering a two (2) hour course on November 8, 2011 from 2:00 pm – 4:30 pm at the offices of Indianapolis Power & Light, 1230 W. Morris St., Indianapolis, IN 46204. The course is certified by the IPLA to provide attendees with 1.0 PDH on engineering ethics and 1.0 PDH on statutes and rules applicable to Professional Engineering.

This course will be taught the Rose-Hulman way:

- small class – limited to 50 participants;
- expert instructors; and
- focused on you!

Additionally, this is a great opportunity to network with fellow classmates and Professional Engineers of Central Indiana.
Course Instructors

Heinz C. Luegenbiehl, Ph.D.

Dr. Luegenbiehl has taught engineering ethics for over 30 years. He has published or presented over 100 papers on the topic in addition to invited workshops and presentations at dozens of universities. He has served on the Ethics Advisory Boards of the National Science Foundation and the Sigma Xi Society. Dr. Luegenbiehl has been a visiting professor of ethics at universities in Japan and Taiwan, and at the U.S. Air Force Academy.

Gregory M. Gotwald, Esq.

Mr. Gotwald focuses his practice on litigation and appellate work in the areas of technical and complex litigation, environmental law, and insurance coverage law. Greg was named a “Rising Star” in 2010 by Indiana Super Lawyers and an "Up and Coming Lawyer" in 2009 by the Indiana Lawyer. Rose-Hulman has honored Greg as a Distinguished Young Alumni (2009) and elected him as the first-ever young alumni representative to its Board of Trustees.

SECTIONS CONGRESS

The 2011 IEEE Sections Congress was held in San Francisco from August 18 to August 24. The Central Indiana section had three representatives, Vice-chair Yuetong Lin, PACE chair Yaoyu Wang, and GOLD chair Diana Vasquez attending the conference. The delegates participated in Region 4 meeting, and general and several breakout sessions. All first-time participants to the Congress, the three representatives found the experience very inspiring, informative and productive, and are excited about the future of the IEEE organization and the growth of our own section.

Senior Member Rodeo

The CIS-IEEE has always looked to facilitate members advancing to higher levels of membership. This year, the section decided to hold the Senior Member Rodeo at the most popular section event – the Indianapolis Indians baseball game in August. As a result, the Senior Member Rodeo netted six new senior member candidates:

- Mr. Larry Rudolf
- Mr. Bob Evanich
- Mr. Yuetong Lin
- Mr. Mike Darnell
- Dr. Phil Walter
- Mr. Jeff Duff
Congratulations to the new candidates. Special thanks go to those senior members who signed recommendations and applications to move the process along. Any current members wishing to become a senior member are invited to attend next year’s Rodeo.

Announcement: 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. The CIS-IEEE is on the verge of an agreement with the IUPUI Conference Center for holding the conference. The IUPUI facility is an excellent venue, and would 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. The CIS-IEEE is considering focusing on medical instruments and electric vehicles (both local strengths), and smart grid, but welcomes any suggestions for topics.

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

* * * * *

ADVERTISEMENT

In response to popular request
New 3-Day Format

Keeping the same important concepts and material presented in a more condensed format

EMC by Your Design

An EMC Practical Applications Seminar and Workshop

with a free 45 min. individual product design evaluation on Oct. 21, take home proprietary computer program, expanded chapter on filter design, signal integrity, signal return currents on PCB’s and a second textbook at no extra charge

October 18-20, 2011 (Tues. - Thurs.)
Hilton Hotel, Northbrook, IL

We are offering a special
$300 discount if you register by September 27, 2011

Classes fill quickly so register early
email cgorowski@dlsemc.com or call 847-537-6400
www.dlsemc.com/1001
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.

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 and 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.

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.

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,
For immediate release

UL approves D.L.S. Conformity Assessment, Inc. for Safety Testing

Underwriters Laboratories has officially accepted D.L.S. Conformity Assessment, Inc., a subsidiary of D.L.S. Electronic Systems, Inc., into their Third Party Test Data Program. This program allows D.L.S. to test directly to UL standards for ITE, audio/video, medical devices and equipment, and laboratory test and measurement equipment for formal listing. Manufacturers will be able to complete their EMC, Safety and Environmental testing requirements all under one roof, saving them time and allowing them to speed their product to market. This program provides for a formal UL listing for U.S. and Canadian safety standards. Please go to [www.disemc.com/ul](http://www.disemc.com/ul) for more information on this new program.

Information provided by:
Marilyn Sweeney
D.L.S. Electronic Systems, Inc.
1250 Peterson Drive
Wheeling, IL 60090
847-537-6400
Central Indiana Section Announces 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.

*     *     *

IEEE CENTRAL INDIANA SECTION

CIS-IEEE Continues Teacher Grants for 2011

Teachers Reimbursed for up to $100 of Classroom Expenses

The Central Indiana Section of the IEEE (pronounced Eye-triple-E) is encouraging area teachers to utilize the large selection of free lesson plans available at TryEngineering.org. Lessons focus on Science, Technology, Engineering, and Math and are designed for classroom presentation for under $100.

Eligibility

• School must be located within the CIS-IEEE geographical area
• A lesson from www.tryengineering.org must be chosen
• The lesson must be presented by the classroom teacher. (Not by an IEEE Volunteer)

Teachers may determine geographic eligibility by reviewing Article I, Section 2 of the CIS Bylaws at:

http://www.cis-ieee.org/bylaws.asp

Applying for a Grant

Central Indiana Section (CIS) will reimburse costs for presentation of an eligible lesson up to the $100 limit. Teachers should first get a pre-approval for the reimbursement by supplying the information requested below. Pre-approved lessons will be given an address for submittal of related lesson expenses, up to the $100 limit.

To apply, send an email with the following information to Brad Snodgrass at bsnodgrass@ieee.org

• Name and address of the School
• Teacher sponsoring the lesson
• Grade level(s) targeted for the lesson
• Name of person who will be presenting the lesson
• Date lesson will be presented
• Name of the lesson that will be presented.

Questions
Send questions or requests to Brad Snodgrass at bsnodgrass@ieee.org. Brad coordinates Pre-University Activities for the Central Indiana Section of IEEE.

About the IEEE
The IEEE is the world's leading professional association for the advancement of technology. With more than 350,000 members worldwide, IEEE is the largest technical society in the world. The IEEE is a leading authority on a broad range of topics including aerospace systems, computers, telecommunications, robotics, nanotechnology, biomedical engineering, electric power, consumer electronics, and many others.

Central Indiana Section (CIS) of the IEEE is the local organization supporting the nearly 2000 IEEE members in central Indiana.

About the Teacher In-Service Program
The Teacher In-Service Program (TISP) features IEEE Section volunteers developing and presenting technologically oriented subject matter to local K-12 educators in an in-service or professional development setting. TISP allows IEEE volunteers to share their technical expertise and to demonstrate the application of engineering concepts to support the teaching and learning of science, mathematics and technology disciplines.

To schedule a TISP Presentation for your school, contact Brad Snodgrass at bsnodgrass@ieee.org.

IEEE Resources for Students and Teachers
http://www.cis-ieee.org/
http://www.ieee.org/web/aboutus/home/index.html
http://www.ieee.org/web/education/home/index.html

*     *     *     *

2011 Meeting Calendar

<table>
<thead>
<tr>
<th>Date</th>
<th>Host</th>
<th>Subject</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, October 20, 6:00 pm</td>
<td>CIS</td>
<td>Executive Committee Meeting</td>
<td>Internet/Phone Bridge</td>
</tr>
<tr>
<td>Tuesday, November 8</td>
<td>PES/IAS/CIS</td>
<td>Engineering and Ethics</td>
<td>Indianapolis Power &amp; Light Engineering Building, Indianapolis</td>
</tr>
<tr>
<td>Thursday, November 17, 6:00 pm</td>
<td>CIS</td>
<td>Executive Committee Meeting</td>
<td>ET201S, IUPUI Internet/Phone Bridge</td>
</tr>
</tbody>
</table>

... Check the [Section web page](http://www.cis-ieee.org/) for details and current information. ★★★.
Central Indiana Section Active Volunteers

**Director**
Will Kassebaum
(317) 225-4126
Will.Kassebaum@ieee.org

**Director**
Steve Shen
(317) 706-9215
sshen@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

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

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

** Newsletter Editor**
Karl Huehne
(317) 985-5360
khuehne@ieee.org

**Communications Information Officer**
OPEN

---

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
iee@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

**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 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.
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  pmicic.org
SAE  Society of Automotive Engineers, Indianapolis  http://www.indianasae.org
Scientech  Scientech Club in Indianapolis  scientechclub.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

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.