

THE REPORTER

Journal of the Central-Indiana Section • The Institute of Electrical and Electronics Engineers, Inc.

ICES All-Engineering Networking Banquet

In conjunction with ASME and IEEE, the Indiana Council of Engineering Societies is hosting a networking Reception and Awards Banquet to benefit the Bridge to Engineering Scholarship on Friday, October 17th, 2008 at the Radisson Hotel at the Indianapolis Airport. (PLEASE NOTE THE CHANGE OF VENUE.)

This event will provide a unique networking opportunity and forum for discussion of “Green” engineering and alternative energy technology in Indiana.

A social hour and exhibit presentation will begin at 5:00 pm preceding the dinner program at 7:00 pm.

Guest speakers include:

Jim Trueblood

Vice President, High Horsepower Engineering
Cummins, Inc.

Jesse Kharbanda

Executive Director,
Hoosier Environmental Council

Les Mac Taggart

Senior Technical Director,
Indy Racing League

The Bridge to Engineering Scholarship is intended to help offset the final year expenses and cost of attendance for a college junior enrolled in a math, science, or engineering program at an Indiana college. This 2008 award will mark the first presentation of this award by the ICES.

Tickets to the event are available through the Central Indiana Section of the IEEE website at an early bird cost of \$55 prior to October 1st, 2008 and a regular price of \$65 following. ICES member organizations are entitled to a \$5.00 discount through October 1st. Space for this event is limited, so register early.

Register now at www.cis-ieee.org

CIS-IEEE ENJOYS A NIGHT AT THE BALLPARK

On Friday evening, August 15 approximately 150 IEEE members and their guests watched as the Indianapolis Indians took on the Durham Bulls at Victory Field in downtown Indianapolis. The game was preceded by a picnic at the ballpark and capped off by a post-game fireworks display. Although the Indians lost this game, they won the series with the Bulls. Below are some pictures from the game courtesy of John Kassebaum.



Enthusiastic CIS fans take in a Triple-A baseball game at Victory Field in Indianapolis on August 15, 2008

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Central Indiana IEEE Biofuels Conference

By Earl Hill, Chair: Power & Energy Society, CIS-IEEE

On August 20th, the CIS-IEEE was proud to sponsor the 1st Annual Regional Technical Discourse: “Biofuels in Indiana: Technology, Public Policy and Future Direction”. The conference was held at Duke Energy’s headquarters, in Plainfield, Indiana. The conference was an all day affair, from 8:30 am to 4:30 pm. Over 40 IEEE members and others attended the conference.

Mr. Jim Stanley, President of Duke Energy Indiana introduced the conference. He then spoke on Duke’s efforts to promote renewable energy. In particular, he discussed the “fifth fuel” – efficiency. Mr. Stanley then introduced the key note speaker, Senator Beverly Gard, Chair of the Indiana Senate Energy and Environment Committee. In her address, Senator Gard summarized where Indiana stands in a number of biofuels-related areas. Three years ago, the state, despite its agricultural abundance, was far behind in biofuels. Today, Indiana is one of the national leaders in ethanol and soy diesel production. Indiana is also moving forward in putting the infrastructure in place to make biofuels more accessible to the public.

Biofuels Conference (cont'd)

The conference agenda addressed many of the current hot topics in biofuels. However, even a full day is not enough time to cover all aspects of the biofuels issue. One of the goals of the conference was to educate members of the section and the public. Therefore, the section found it important to ensure that even and balanced coverage of the issue was presented. The following presenters spoke at the conference. .

Don Villwock, President, Indiana Farm Bureau

Is a 25x25 World Possible?

Dr. Mark Goebel, Professor, Indiana University School Medicine (IUPUI)

The Lugar Center for Renewable Energy

Dr. Peter Grossman – Professor Economics, Butler University

If Ethanol is the Answer, What is the Question?

Business Roundtable, Hosted by Gerry Dick, Inside Indiana Business**Panelists:**

-
- Vince Griffin, Vice President, Indiana Chamber of Commerce
 - Belinda Puetz, Brand Manager, CountryMark
 - John Whittington, Vice President, Integrity Biofuels
 - Ray Moistner, Executive Director, Indiana Hardwood Lumberman's Association
-

Mark Walters, Director, Biofuels Programs, Indiana Soybean Alliance and Indiana Corn Marketing Council

Ethanol: the Road Ahead

Ken Klemme, Acting Director Indiana Department of Agriculture

State of Indiana's Perspective on Biofuels

Dr. Thomas Mason, Professor of Economics, Rose-Hulman Institute

Biofuels and Energy Outlook: A Global Assessment

Biofuels Conference (cont'd)

The conference was then summarized by Earl Hill, Chair of the Power & Energy/ Industry Applications Society, CIS-IEEE. The section wishes to thank all the fine speakers and Duke Energy for hosting the meeting. Selected presentations will be available via the www.cis-ieee.org website soon.

Power & Energy /Industry Applications Societies Activities

By Earl Hill, Chair: Power & Energy / Industry Applications Societies

The PES/IAS has a wide range of planned activities. The first of these activities was a tour of I-Power, in Anderson, Indiana. The tour was held from 6:30 pm to 8:30 pm on September 16th.

I-Power has developed a series of small power generators designed to operate on gas from a variety of sources: landfill gas or digester output (for agricultural applications). The units are designed for distributed generation applications as well.

* * *

The PES/IAS has planned its autumn short course “Green Energy Engineering”, for October. The final syllabus has not been finalized, but the current speakers have agreed to participate:

Mr. Joe Koepfinger IEEE PES, Distinguished Lecturer

Dr. Saifur Rahman, IEEE PES, Distinguished Lecturer

Mr. Bill Wylam, International Energy

One or two professors from Purdue will also speak on their research efforts in renewable energy. The course will run from October 7th to November 4th. More details will be available on the CIS-IEEE website shortly.

* * *

Future events include the following:

- November 11, 2008
Mr. James Freestone, General Cable – Advances in Underground Cable
- January 13, 2009
Dr. Steven Rovnyak, IUPUI, Use of Frequency Measurements and Phasor Measurement Units
- February 10, 2009
Speaker TBD, Basler Electric, Simplified Microprocessor Relay Upgrade Installation
- March 2009
Four Week Short Course – “Power Engineering Fundamentals” with Professor Fred Brockhurst

- April 14, 2009
PES-IAS/CIS Student Awards Banquet

A tour of either the new Lucas Oil Stadium or the Benton Country Wind Farm is planned for May 2009. Future topics include plug-in hybrid vehicles and a short course on the future of coal.

All events will be held at the IPL Safety Room, 1230 Morris St. Indianapolis, except where noted above. Please feel free to contact Mr. Earl Hill at eshill@loma-consulting.com with any questions or suggestions for future meetings.

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DLS
EMC & Product Safety
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EMC by Your Design
An EMC Practical Applications
Seminar and Workshop
(with free product design evaluation
and take home computer program)
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and Roger Swanberg

October 2, 3, 6 and 7, 2008
Northbrook, IL

More information at
www.dlsemc.com/1001

Call 847.537.6400 today to register.
(class size limited)

\$300 discount if
you register by
Sept. 9, 2008

To: All Members of CIS-IEEE

Subject: Election of Officers

The open period for nominating a member to run for a section office is rapidly closing. This period will end on October 1, 2008. After that date, all nominations will need 25 signatures from current Central Indiana Section Members to have their name put on the ballot.

We still need someone for the Vice-Chair position.

Anyone can be nominated for any position except director, but with one exception. The person nominated for Director must have been Chairman of the Central Indiana Section prior to 2008.

Each year the CIS-IEEE nominates and elects officers from the section membership. Any CIS-IEEE member can be a candidate for office. Per the bylaws of the section, all members must be notified, via e-mail, that they have an opportunity to run for office.

Serving as a CIS-IEEE officer provides the following advantages:

- An opportunity to serve the section and to help direct its activities
- An opportunity to work more closely with colleagues in the section, and in the regional and the national IEEE organizations
- An opportunity for professional advancement through broader industry participation
- An opportunity for free pizza and soda at Executive Committee meetings

The CIS-IEEE elects officers for a one year term (except directors, who serve for two years). The Nominating Committee nominates the following for Officers for 2008 as of the date of this memo. Any member can nominate another member at any time for any position:

- **Director (1 of 2 elected in 2008; the other will be elected in 2009)**

Will Kassebaum

- **Chair**

Steve Chen

- **Vice-Chair**

Open

- **Secretary**

Karl Huehne

- **Treasurer**

Carlotta Brown

Candidates are welcome for each office. Nominations will be accepted up to October 1, 2008.

The schedule is as follows:

Announcement of Nominations Oct. 1
Close Nominations by Petition Oct. 28
Hold Election Nov. 15
Terms of office commence: Jan. 1

After October 1, all new candidates must collect 25 signatures (with member ID#) from members of the CIS-IEEE to qualify (see bylaw Article IV for details at <http://www.cis-ieee.org/bylaws.asp>). To be placed on the ballot, please forward the nominee's name, position, and list of signatures to the Nominating Committee:

No petitions will be accepted after October 28th.

If there are no contested contests, then the Executive Committee will approve the slate of candidates by acclamation.

For more information and to see how the Executive Committee works, come to the September 25th meeting. We meet on the 4th Thursday of every month except when the ExComm decides not to meet. The location is on the IUPUI campus, ET Building, Room 209A. Everyone is welcome.

Thanks in advance for your participation in the election process.

Sincerely,

Earl Hill

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Duane Mattern

dmattern@sampledsystems.com

Alan Stillerman

astiller@ieee.org

* * *

STUDENTS

The IEEE has a special offer for new student members. Join IEEE as a student member for about \$30, and get a bunch of free software from Microsoft, valued at over \$1000.

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- Microsoft's "top of the line" professional development tool!
- Expression Web Designer
- Project 2007
- Visio 2007
- Windows Server 2003

<http://www.ieee.org/web/membership/students/branchresources/microsoftofferstudents.html>

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2008 Meeting Calendar

Date	Host	Subject	Location
September 19-22	IEEE	Sections Congress	Quebec City, Canada
Thu., September 25	CIS	Executive Committee Meeting	IUPUI, ET 209 Indianapolis
Oct. 7 – Nov. 4	PES/IAS	Short Course – Green Energy Engineering	IPL/Indianapolis
Thu., Oct. 23	CIS	Executive Committee Meeting	IUPUI, ET 209 Indianapolis
Fri., October 17	ICES	Annual All-Engineering Banquet	Indianapolis
Tue., Nov. 11	PES/IAS	Advances in Underground Cable	IPL/Indianapolis
January 13, 2009	PES/IAS	Use of Frequency Measurements and Phasor Measurement Units	IPL/Indianapolis
February 10, 2009	PES/IAS	Simplified Microprocessor Relay Upgrade Installation	IPL/Indianapolis

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

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Education Society

OPEN

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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 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.

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 and ITT Technical Institute. Limited copies of The Reporter may be selectively distributed to non-members when it serves the aims of the Section. Examples include public, industrial, and school libraries, and other engineering societies and professional organizations. Inquiries for complimentary copies should be made to the Editor.

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
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.saesections.org/indiana/
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