THE REPORTER

Journal of the Central-Indiana Section • IEEE

CIS-IEEE BASEBALL GAME AND PICNIC

by Karl Huehne and Will Kassebaum

On Sunday afternoon, August 9, an enthusiastic crowd of IEEE members and their guests watched as the Indianapolis Indians took on the Charlotte Knights at Victory Field in downtown Indianapolis. Many members had asked to have a more exclusive get together so that we could get to know each other more easily. In response to that request the 3rd base Party Terrace was reserved which we had to ourselves. A private buffet, including beer, was available throughout most of the game. The picnic was from 12:30 - 1:45 pm and the game started at 2:00 pm. It is also Souvenir Sunday at Victory Field where the first 4,000 fans, beginning at 12:30 p.m., got an Indians Backpack.

Those in attendance were very pleased with the facility and the food. We had two coolers full of drinks and we could come and go from the buffet all afternoon. There was lots of great networking and excellent conversations throughout the game. We suspect there will be a number of events and new support from IUPUI as well as some good ideas for events to help our new ComSoc chapter. Some extra tickets were made available to persons who had rendered assistance to CIS this year. This was a great way to get face time with busy people and socialize at the same time! Here are some pictures from the game courtesy of Will Kassebaum

Bob and Chloe Anne Adams (Bob was Chair of the CIS when Marv Needler was Vice-chair - a few moons ago, Bob has also been Region 4 Director and is currently an advisory member of the Region 4 ExCom. Bob has also been treasurer of Region 4 and the IEEE-USA and a number of other IEEE components.)

Earl Hill (PES/IAS Chair), Dr. John Kassebaum, (CTO, Stellarwind Bio Energy), and Dave Peter (CIECN Co-chair)

Full chairs all the way down!   We also had the whole party deck to the left and behind.

Great view of the game and the downtown Indy skyline!

Earl Hill (PES/IAS Chair) , Ron Cooper, Mike Darnell and his wife

Dr. Jake Chen (EMBS Chair) and Dr. Yaobin Chen (Chair of ECE at IUPUI)

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VOLUNTEER OPPORTUNITIES

The Central Indiana Section still needs help in a few areas. This is your opportunity to give back to an organization that has helped you in your career and a chance to network with your peers and gain recognition. The following positions are currently needing to be filled:

- Constitution and Bylaws Chair
- Fund Raising Chair

Becoming an IEEE volunteer can be a gratifying and memorable experience. Whether your skills are suited for organizing conferences and meetings, financial reporting, communicating or maintaining web sites, CIS can use your skills.

Additional opportunities for involvement include fund raising, awards, educational activities and the development of new programs.

As an IEEE volunteer, you can take pride in participating in activities that interest you, while expanding your knowledge of the IEEE, gaining valuable management and leadership skills, and connecting with others in your profession.

If you are interested in serving in any of the above listed positions please contact any of the CIS officers listed near the end of this newsletter.

CIS NEWS – New Officers

CIS is very pleased to announce the following news items:

- The rejuvenation of the Communications Society Chapter at CIS (as announced in the June issue of The Reporter) was formally approved by IEEE as of August 3, 2009. Our thanks go out to Sam Kincaid for his successful effort and continued involvement. Sam is the acting Chair. Election of chapter officers is the next step. Please see his article near the end of this newsletter for more details.

- Matt Etchison has agreed to chair the Computer Society Chapter at CIS. Please see the below article for details.

- David Koehler has agreed to begin serving as CIS Treasurer. Carlotta Berry has served in this position since the beginning of 2008 and expressed a desire to be replaced so she can spend more time on her career and with her family. CIS expresses heartfelt thanks to Carlotta for her service and staying on until a replacement could be found. David will become our treasurer as soon as the formal hand-over procedure can be completed.

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CIS-IEEE Computer Society Jump-Start
by Matt Etchison

We are looking to get the Central Indiana Section of the IEEE Computer Society once again actively up and running. This is a great opportunity for Central Indiana IEEE members to help build a progressive Computer Society that meets regularly, furthers networking among professionals, and has an overall contribution to both CIS-IEEE and IEEE Worldwide. What better way to gather knowledge and insight from fellow members as we all partake of the CS mission of "advancing the theory and application of computer and information-processing technology"?

The IEEE Computer Society has nearly 85,000 global members and is the largest of the 39 IEEE societies. With those numbers the Central Indiana Section should certainly have no shortage of CS members and computing professionals. We're looking to gather these members to share ideas, experiences, and help grow the Computer Society once again. We're looking for people who would be willing to contribute a little time and effort to further enhance the Central Indiana Section, the IEEE organization, and perhaps most importantly, their own career. Since the jump-start is starting with a fairly clean slate, there are ample opportunities to help mold the CIS-IEEE Computer Society in multiple directions. There are no firm requirements or time commitments other than a willingness to help and contribute. This is a great time to get more out of the Computer Society by helping determine its direction, goals, events, etc. Please contact Matt Etchison listed near the end of this newsletter to volunteer.

CIS-IEEE Announces Grants for Teachers

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 through the Teacher In-Service Program. (TISP) Lessons focus on Science, Technology, Engineering, and Math and are designed for classroom presentation for under $100.

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 pre-college 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.

Eligibility for Teacher Grants

• School must be located within the CIS 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

The Central Indiana Section 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.

IEEE Resources for Students and Teachers

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

http://www.ieee.org/web/aboutus/home/index.html

http://www.ieee-virtual-museum.org/index.php

http://www.ieee.org/web/education/home/index.html

http://www.ieee.org/web/education/preuniversity/tispt/index.html

Questions

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

2009 Science Summer Intensive Institute

PRISM (**P**ortal **R**esources for **I**ndiana **S**cience and **M**athematics), Rose-Hulman Faculty, noted Indiana educators, and Rose-Hulman alumni partnered for a two-week professional development opportunity for Vigo County School Corporation's teachers of middle and high school science. Also included was a series of mini-workshops which provided additional methods and materials for teachers to incorporate into their classrooms.

Central Indiana Section presented a mini-workshop on August 3, 2009, showcasing the Teacher In-Service Program initiative.

Twenty-five science teachers participated, along with PRISM staff, in the popular "Build Your Own Robot Arm" lesson. This lesson challenges participants to create a working robot arm to accomplish a specific task. The kit of parts includes cardboard strips, wire hangers, pencils, binder clips, rubber bands, string, and a host of other materials readily available in a classroom.

"Build Your Own Robot Arm" is one of a collection of free lesson plans available from TryEngineering. These lessons cover a wide variety of subject areas using an open-ended project based environment. Lesson plans are provided free of charge and are designed for classroom implementation for under $100 in supplies. All lessons are aligned to national standards.

The IEEE Teacher In-Service Program (TISP) enables IEEE volunteers to share their technical expertise and demonstrate the application of engineering concepts to support the teaching of science, technology, engineering and mathematics at the pre-college level. These In-Services are aimed at helping teachers bring exciting hands-on engineering lessons into their classrooms.

As a companion program to the TISP, Central Indiana Section also offers Teacher Grants. Any teacher wishing to present a lesson from the TryEngineering website can request a reimbursement for the first $100 of lesson expenses.

To learn more about TISP and Teacher Grants, contact Brad Snodgrass at bsnodgrass@ieee.org.

Central Indiana Section established their TISP in 2006 and has presented programs for Pike and Warren Township schools in Indianapolis, and for the Brownsburg Challenger Center. Central Indiana Section has been widely recognized for our TISP efforts and has actively supported IEEE sections throughout the country, and the world, establish their own TISPs.

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ELECTION OF CIS OFFICERS

The open period for nominating a member to run for a section office is rapidly closing. This period will end on October 1, 2009. 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 a candidate for the Vice Chair position.

Anyone can be nominated for any position except director, the one exception. The person nominated for Director must have been Chairman of the Central Indiana Section prior to 2009.

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 20010. Any member can nominate another member up to the deadline for any position:

- **Director (1 of 2 is elected in 2009; the other will be elected in 2010)**

Steve Shen

- **Chair**

Phil Walter

- **Vice Chair**

Open

- **Secretary**

Karl Huehne

- **Treasurer**

David Koehler

Candidates are welcome for each office. Nominations will be accepted up to October 1, 2009.

The schedule is as follows:

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

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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 offices, then the Executive Committee will approve the slate of candidates by acclamation.

For more information and to see how the Executive Committee works, attend the September 24th meeting via internet and phone bridge. We usually meet on the 4th Thursday of every month. Every other month the meeting is also in person on the IUPUI campus, ET Building, 799 W. Michigan St., Room 201S. Everyone is welcome.

		2009 Meeting Calendar	
Date	**Host**	**Subject**	**Location**
Thu., Sep. 10	CIS/CIECN	CIS-IEEE CIECN Meeting and Bright Automotive	Anderson, IN
Tue, Sep. 15	PES/IAS/CIS	125th Anniversary / Purdue Tours	West Lafayette, IN
Thu., Sep. 24	CIS	**Executive Committee Meeting**	Will be conducted via GoToMeeting. Contact Steve Shen for details
Thu., Oct. 8	CIS/CIECN	CIECN October Meeting	IUPUI – TBD Indianapolis
Thu., Oct. 22	CIS	**Executive Committee Meeting**	IUPUI ET 201S Indianapolis
Sat., Oct. 24	PES/IAS	Alternate Energy **Short Course**	IPL/Indianapolis
... Check the Section web page for details and current information. 📃📃📃.			

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Central Indiana Section Communication Society Active Again

On August 20th, 2009, the Central Indiana Section IEEE Executive Committee received the approval letter from COMSOC North America with an effective date of August 3rd, 2009 for the Chapter. Now that the Chapter is approved, it is time to get to work. As Acting Chair, I will begin to pull together volunteers/nominees for our first election, and fill necessary positions. For now, we are in need of at least Vice Chair, Secretary, and Treasurer. Originally, the inaugural meeting was to be August 26th, but the approval process took longer than expected, so I will be announcing that meeting soon for sometime in the second week of September.

 It is our intent that this be a vibrant and active chapter. I am already putting together ideas for Short Courses and Tours, and am open to suggestions as well. Additionally, I think what members across the CIS IEEE will see moving forward is a true working synergy between sister Societies. There is much that the Communications Society can do together with the Computer, Power and Energy, and Engineering Medicine Biology Societies. This not only will bolster funding, but also bring about some very interesting discussions, courses, and events.

Also, in a first step to represent the Section with this Chapter with COMSOC NA, I will be working with them at their booth September 14th – 18th at the upcoming 4G World, at McCormick's Place, Chicago.

Moving forward it is also important for all CIS IEEE members to understand the changing world we are living in and steps that we must begin to make to adapt to that changing world. Within CIS COMSOC, although we are named after the Central Indiana Section, we have opened and have members from all over Indiana – literally from the far reaches of the State geography. This means that with us, physical meetings routinely will be a challenge; therefore, this is one reason we have begun to introduce things like Phone Conferences and Webinar formats as alternatives. Nothing takes the place of the face-to-face meeting, but it is no longer realistic in this Society, given the reach, to expect them 100% of the time. Offering alternatives will also, I believe, actually increase membership and participation. After all, we are talking the "Communications" Society, so it really is all about communications!

Additionally, working with COMSOC NA, and our own CIS ExCom, we will make it a mission to work harder to integrate the Student Chapters. These students are the future of engineering, and the future of our section.

Finally, I want to extend a personal thank you to the members of the Executive Committee for all their help and support during the application/petition process. It makes the job so much easier when you know you have leaders experienced in the inner workings of the organization.

Thank you and hope to report many great things in the months to come. Feel free to contact me with any questions at sam.kincaid@ieee.org or 765.517.0010 .
Sam Kincaid
Acting Chair
Central Indiana Section – IEEE Communications Society

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Central Indiana Section Active Volunteers (effective September 1, 2009)

Director   (812) 877-8154
Niusha Rostamkolai
        Niush.Rostamkolai@rose-hulman.edu

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

Chair   (317) 706-9125
Steve Shen   sshen@itt-tech.edu

Vice Chair   (812) 877-8622
Phil Walter   Phil.Walter@ieee.org

Treasurer   (812) 877-8657
Carlotta Berry Carlotta.Berry@rose-hulman.edu

Secretary   (317) 985-5360
Karl Huehne   khuehne@ieee.org

Power & Energy/   (317) 726-1236
Industry Applications Societies
Earl Hill   eshill@loma-consulting.com

Computer Society   (317) 715-8598
Matt Etchison   Matthew.Etchison@inin.com

Signal Processing Society   (765) 494-5916
Ilya Pollak   ipollak@ecn.purdue.edu

Central Indiana Section Active Volunteers (cont'd)

Webmaster   (317) 838-2268
Bob Evanich   b.evanich@ieee.org

GOLD Coordinator   (765) 350-0113
Arun Kumar   kumar16@ieee.org

Communication Society   (765) 517-0010
Sam Kincaid – acting   sam.kincaid@ieee.org

Constitution and Bylaws
OPEN

Historian   (317) 274-7881
Marv Needler   mnpn@juno.com

Education Society
OPEN

Pre-university/Student Activities (317) 679-6194
Brad Snodgrass   bsnodgrass@ieee.org

IUPUI Student Branch CIS-IEEE representatives
Sarah Koskie   skoskie@iupui.edu

ITT Tech Student Branch CIS-IEEE Representative
Mohammed Boudaia   MBoudaia@itt-tech.edu

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

Central Indiana Engineering Consultant's Network
Will Kassebaum   (317) 225-4126
                                  Will.Kassebaum@ieee.org
Duane Mattern   d.mattern@ieee.org

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

Professional Activities   (317) 879-1561
Al Razban   arazb3@aol.com

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

Communications Information Officer
Pam May   (317) 274-2363
                                  may2@iupui.edu

Rose - Hulman Institute of Technology Student Branch
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.

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.

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/
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