

Calendar Of Events

This Month's Articles

Featured Advertisers

Chair's Corner

The Chicago Section's new Chair introduces himself and urges members to help the Executive Committee assess where we are as a section. [\[more\]](#)

Save These Dates:

- > On October 13th, the Illinois Engineering Council will present its 16th Annual Engineering Achievement Awards and Second Annual Induction into the Illinois Engineering Hall of Fame at its [69th Annual Awards Banquet](#). [\[more\]](#)
- > IEEE Fellow Henning Schulzrinne will give the opening day keynote address at this year's [VoIP Conference](#) at the IIT Wheaton Campus on **October 25th and 26th**. [\[more\]](#)
- > Chicago Tribune Personal Finance Columnist [Gail MarksJarvis](#), author of *Saving for Retirement without Living Like a Pauper or Winning the Lottery*, will be the keynote speaker at the IEEE-Chicago Section half-day [Financial Planning Seminar](#) on **Saturday, November 3rd**. [\[more\]](#)
- > **November 13th** will be first meeting of the newly reconstituted **Chicago Chapter of the Dielectrics and Electrical Insulation Society (DEIS)** will feature a talk by IEEE Fellow Edward A. Cherney on the ["Impact of Inverter Drives on Form Wound AC Motor Stator Coil Insulation"](#). [\[more\]](#)

Section officers learn what's new

At the **IEEE Chicago Section Officer Orientation Dinner** incoming President **Bernie Sander** reviewed the **"State of the Section"** and a very surprised member got the big award. [\[more\]](#)

Social networking key to technical job search

In his presentation, **"How to prepare and perform a technical job search,"** at the **IEEE Chicago Section Career Networking Group**, **Paul Smith** cited the statistic that 80% of the jobs that people get come through social networking. [\[more\]](#)

Chair's Corner



My name is Bernard (Bernie) Sander and I am the new chair of your Chicago Section. I have over 30 years of professional experience (mostly in telephony – both wireline and wireless) at Lucent Technologies. I am currently semi-retired and have most recently served the IEEE as Chair of the Fox Valley Subsection and as treasurer of the Chicago Section. I look forward to working with all of you in the coming year in helping the IEEE realize its [vision](#) on a local level.

In the next few weeks, I am attempting to answer a few questions in order to do an **assessment of where we are as a Section**. What are the things that worked well and what are the things that did not work so well or need improvements? What are the new needs and the new opportunities? I will use this assessment as the basis for planning events for the coming year.

Some of the information I am using for this assessment is from the

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October 8
[Soldering Workshop](#)
UIC Student Chapter

October 9, 7:00PM
Executive Committee
DeVry - Addison

October 10, 11:30AM
[Windfarm Collector Systems](#) - Power
Engineering Society

October 10, 9AM
[Cogeneration Tour](#)
UIC Student Chapter

October 13, 8:30AM
[Windfarm Tour](#)
Power Engineering Soc.

October 13, 5:30PM
[69th Annual Awards Banquet](#) - Illinois
Engineering Council

October 16, 7:30 PM
[RFID: the Process, the Implementations, and the Gotchas](#)
Communications Soc.

October 17, 5:30PM
[Wind Generators and Grid Interconnect](#)
Industry Applications

October 17, 7:00PM
Career Networking

October 24
[Robot Among Us](#)
UIC Student Chapter

October 25 & 26
[VoIP Conference](#)
Co-sponsored by
Communications Soc.

November 1, Noon
[Election Ballots Due](#)
IEEE International

IEEE Leadership Conference held in Scottsdale, Arizona in early September. Four members of the Chicago Executive Committee -- **Bill Nartker, Jim Phillips, Connie Kelly** and I -- participated in that conference. It is clear that we face many of the same problems that other sections (particularly those in the U.S.) face. Retention of student members and participation of members in the first ten years of their careers are issues faced by many large sections. Activities of all kinds (technical, awards and social) are not as well attended and successful as in the past. There are concerns and evolving plans about the role of the IEEE in responding to the recent report "[Rising Above the Gathering Storm](#)" published by the **Senate Committee on Prospering in the Global Economy**. Basically, the report looks at the math and science preparedness level of students entering college. **Data on history within the U.S. and comparisons with other countries show the U.S. behind and losing ground.** The report closes with a number of recommendations.

We will be discussing this assessment and plans for the upcoming year at this month's meeting of the **Chicago Section Executive Council on October 9 at 7:00PM at DeVry University in Addison**. Please join us at that meeting or send your input via my [email](#) if you would like to contribute. Of course, we will need volunteers to implement whatever events are planned for the upcoming year. I hope you can help out.

I hope to meet many of you in the coming months. Thanks for your continued support.

Regards,

[Bernie Sander](#)
Chair – Chicago Section

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Save These Dates:

IEC Awards Banquet on October 13th

Vinayak P. Dravid, right, will keynote the **Illinois Engineering Council 69th Annual Awards Banquet** on Saturday, October 13th at the White Eagle Banquet Hall in Niles. Vinayak, who is a professor of materials science and engineering at **Northwestern University** and a founding member of the **International Institute for Nanotechnology**, will speak on "**Nanotechnology: Hip, Hype or Horrible?!**"



The Council will present **Engineering Achievement Awards** to:

- The **City of Chicago** for its Green Roof Project
- **Nanolnk** for its NSScriptor Nano Print Array
- **Nanosphere** for its Verigene System, and
- The **State of Illinois** for its Abraham Lincoln Presidential Library & Museum



IEEE nominated the green roof on top of Chicago's City Hall for the Illinois Engineering Achievement Award.

Award selection criteria include creativity and vision, aesthetics and

environmental considerations, along with technical leadership, project management, safety, construction innovation, and participation by multiple engineering disciplines.

In addition, along with Kazimir J. "Casey" Patelski, three engineers nominated by IEEE – **Marvin Camras**, **Grote Reber**, and **Lee DeForest** – will be inducted in the **Illinois Engineering Hall of Fame**.

Visit the [IEC website](#) for more information on attending this celebration of excellence in engineering and allied technical fields, recognizing the contributions of member societies, including IEEE, to the public welfare. The reception begins at 5:30 PM and the dinner and program at 7:00 PM.

VoIP Conference on October 25th & 26th

IEEE Fellow Henning Schulzrinne will give the opening day keynote address at this year's [VoIP Conference](#) at the **IIT Wheaton Campus**. Chair of the Computer Science Department at **Columbia University**, Professor Schulzrinne directs Columbia's Internet Real Time Lab, which has advanced internet multimedia, internet telephony, performance evaluation, and network security. Today, Voice over Internet Protocol (VoIP) is at the core of a growing number of services and architectures, supporting the convergence of networks and applications, and enabling a new generation of integrated services. As the field matures, the need to provide security, quality of service, emergency services and legal wiretaps increases. This year's conference explores developments in the following areas: VoIP architectures, security aspects of VoIP networks, features and services on VoIP networks, quality assurance, and student projects.

Financial Planning Seminar on November 3rd

Chicago Tribune Personal Finance Columnist [Gail MarksJarvis](#), author of *Saving for Retirement without Living Like a Pauper or Winning the Lottery*, will be the keynote speaker at the IEEE-Chicago Section [Financial Planning Seminar](#) on **Saturday, November 3rd**. The half-day seminar is for IEEE members interested in taking control of their financial future using established and proven techniques.



Gail MarksJarvis provides personal finance advice weekly on WBBM radio.

Steven Weydert, a certified financial planner and executive vice president of **Bowyer, Weydert Wealth Planning Partners**, will lead a track for younger and mid-career professionals. Steven, who has been quoted in the *Wall Street Journal* and *Business Week*, will address defining goals, managing investments (and debt), minimizing taxes, and tracking progress. Certified financial planner and president of Bowyer, Weydert Wealth Planning Partners, **Gary Bowyer**, will lead another track for IEEE members preparing for retirement. Gary, who had been named a top financial advisor by *Worth Magazine*, *Mutual Funds Magazine*, and *Wealth Manager Magazine*, will review how to determine whether savings are adequate and investments are appropriately balanced. He will also examine what types of insurance are necessary and which are not. The seminar will be at **Rec-Plex**, 420 Dempster Street, in Mount Prospect. Space is limited, so [register early](#).

First DEIS Meeting on November 13th

The first meeting of the newly reconstituted **Chicago Chapter of the Dielectrics and Electrical Insulation Society (DEIS)** will feature a talk by **IEEE Fellow Edward A. Cherney** on the "[Impact of Inverter Drives on Form-Wound AC Motor Stator Coil Insulation](#)." Ed, who works at **EACH Engineering** and is an Adjunct Professor at the **University of Waterloo** in Ontario, Canada, will examine how voltage pulse width modulated (PWM) drives impact the insulation system of motors. The meeting will

begin with a social hour with sub sandwiches at the **IIT Rice Campus** in Wheaton. A receipt for one hour of professional development (PDH) will be given upon request.

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Section officers learn what's new

At the **IEEE Chicago Section Officer Orientation Dinner** at Manzo's Banquets on September 11, 2007, incoming Chapter Chairs and other new officers networked with each other and representatives from student branches at DeVry University Addison, University of Illinois Circle, ITT Technical Institute and the Illinois Institute of Technology Chicago and Rice Campuses. An energetic and entertaining Master of Ceremonies, **Bill Nartker**, kept the event, intended to teach and thank the Section's leaders, on focus and on schedule. Incoming President **Bernie Sander** reviewed the "**State of the Section**" by pointing out that, unlike other years in the past, the Chicago Section is "not destitute." So, the question is: "What do we do with these resources for the benefit of the profession?"

One answer came later in the evening when **John Zulaski**, Immediate Past Chair, outlined plans for developing the Section website and, true to form, signed up volunteers on the spot. Publications Chair **George Thomas** also reviewed the Year in Review and e-Scanfax submission procedures, encouraging members to publicize their events. Waving the Year in Review in the air, Bill urged all to read it, saying that he had learned a lot of things he hadn't known, and he'd heard that Oprah was requesting it for her book club!



George Thomas accepts the IEEE Chicago Section Distinguished Member Award from Section Chair Bernie Sander.

After dinner, a genuinely surprised **George Thomas** accepted the **IEEE Chicago Section Distinguished Member Award** for his outstanding service, leadership and commitment spanning more than 20 years. This is highest award presented by the section: only one is presented each year and not necessarily every year. Before becoming the Chicago Section's Chair in 1984, George held various positions within the Industry Applications Society (IAS/IES) Chapter. He co-chaired the Chicago Section Centennial Committee in 1993, and continues to serve on the Executive Committee as both Publications Chair and History Chair.

Six Chicago Section members received **Outstanding Member Awards**:

- **Bill Nartker** for creating, organizing and managing the Chicago Networking Group
- **Safoora Fatima** for developing award categories and criteria
- **John Zulaski** for outstanding contribution to Chicago Section activities during 2006-2007
- **Gerald Kattke** for outstanding service, leadership and commitment to the Fox Valley Subsection
- **Bill Lidinsky** for outstanding service, leadership and commitment to the NetSecure07 Conference
- and one member who was not at the meeting whom we

want to surprise . . .

The Chicago Section also presented "**Friend of the IEEE Chicago Section**" plaques to **DeVry University, Dupage Campus**, for providing meeting space and to **Contemporary Controls, D.L.S. Electronic Systems, Elite Electronic Engineering, Greeley and Hansen, Patten Power Systems, S&C Electric Company, Tellabs, and Weldy-LaMont Associates** for their support of the Chicago Section through advertising in e-Scanfax and the Year in Review.

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Social networking key to technical job search

In his September 19th presentation, "**How to Prepare and Perform a Technical Job Search**," at the **IEEE Chicago Section Career Networking Group** at DeVry University Addison, **Paul Smith** cited the statistic that 80% of the jobs that people get come through social networking rather than submitting résumés to a website or directly to a company.



During networking after the meeting, presenter Paul Smith shook hands with Theresa Paulo while Chengzhi Zhou looked on. Photo by Bill Nartker.

According to Smith, who is a telecom industry veteran who has been facilitating a career networking group for the last two years, social networking – keeping in contact with former colleagues, employers, and employees – is beneficial for everyone to spend some time doing. He suggested the website, **LinkedIn**, as a resource for facilitating those connections.

"Social networking is not just for the unemployed," long-time **IEEE member James Kepler** explained after the meeting. "You can be on the side where you're looking for employment, but you can also be on the side where you're looking to hire." Jim, a twenty-year Motorola employee, likes his job and isn't looking for another one, but he's also realistic: "Nothing's permanent in today's environment." So, Jim went to the career networking group with the goal of doing some social networking and the speaker confirmed his hunch: social networking is, indeed, a good idea!

"I've been an IEEE member for a long time." Jim reflected, "I've been to a lot of IEEE conferences, but a conference is a different venue. I network with colleagues from all over the world, but those kinds of contacts don't really help me find out what's going on in my geographic area. I can go to a big conference with thousands of people and not recognize anyone. At the career networking meeting, there were only about a couple dozen people, but I recognized more than one." So, he struck up several conversations and learned a few things about companies in the area.

Consider coming to the Career Networking Group to do some social networking. It meets on the **third Wednesday of every month**.

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