
November 1997

Rock River Valley Section
www.ieee.org/regional/section/rock_river/

Event



Sense

The Institute of Electrical and Electronic Engineers, Inc.

RRV Section & IAS Chapter Meeting

Impact of Deregulation on the Electric Power Industry

When November 20, 1997

Where Northern Illinois University Engineering Building, Room 101, DeKalb, IL. See map on pg 2 for details. Parking will be allowed in the faculty parking lot behind the engineering building after 5:00 pm.

Agenda 6:00 PM Social & Tour
6:30 PM Dinner
7:30 PM Program

Program The "open access" environment in electric power transmission as a result of deregulation will be discussed. This will include the effects of the Electric Policy Act of 1992, the Federal Energy Regulatory Commission's "MegaNOPR" which defined the obligations of transmission providers, and current issues of interest:

- calculation of ATC (available transfer capability)
- the OASIS (Open-access Same Time Information System)
- the transition to ISO's (Independent System Operators)
- the development of reliability standards

Speaker Harry L. Terhune has been employed by Commonwealth Edison Company (ComEd) since 1967. He has served in a variety of engineering, training and technical managerial assignments including:

Systems Power Coordinator -- Mid-America Interconnected Network (MAIN) coordinating a group of 15 electric utilities in the Midwestern United States

Division Engineer -- directing the engineering work of regional distribution divisions of ComEd

Training and Development Engineer -- directing staff personnel for ComEd's ten fossil generating plants (over 10,000 MW of coal, oil and gas fueled capacity and approximately 3000 employees)

Transmission and Distribution Training and Methods Superintendent -- directing activities, safety and work methods development throughout the six ComEd geographical divisions serving a peak load of about 17,000 MW and over 3000 affected employees

System Planning Manager -- managing ComEd's System Planning Department, which is responsible for planning of the ComEd bulk power transmission system (765kV through 69kV). Responsibilities include bulk power planning (analysis, reinforcement and expansion of the ComEd internal transmission system and related budget analysis), technical studies (analysis of harmonics, voltage and dynamic stability,

electromagnetic transients, and system disturbance studies), and interconnection planning

Mr. Terhune was graduated from the University of Notre Dame, Notre Dame, Indiana, with the degree of Bachelor of Science in Electrical Engineering in 1967. In 1975, Mr. Terhune was graduated from Illinois Institute of Technology with the degree of Master of Science in Electrical Engineering.

Mr. Terhune is a Senior Member of the Institute of Electrical and Electronic Engineers.

Door Prizes Sponsored by RRV and Best Buy

Meal Dinner will be a chinese buffet supplied by Yen Ching of DeKalb. Please make your **dinner reservations** by calling **Judi at 815-753-9974 by Tuesday, November 18, 1997, (please include your e-mail address in the information you provide Judi - thanks)**. The cost of the **dinner** is **\$2 for student IEEE members, \$5 for IEEE members and \$10 for non-members**. Unemployed members may call one of the officers for special arrangements.

Note The meeting is open to the general public. You need not be an IEEE member. However, please call to enable us to make proper arrangements.

Student Mentor Program

by Don Zinger

This article is being printed again this month in order to solicit additional participation in the program.

The Northern Illinois University student branch would like to organize a mentoring program for the IEEE student members. This program will help motivate young aspiring engineers by talking to practicing professionals and seeing how what students are learning can be applied in industry. **The student branch is currently soliciting volunteers from industry to act as mentors in the program.** The mentor will have initial conversations with an assigned student and hopefully spend a day to show the student around the workplace. If you are interested in volunteering for this program, please **contact Don Zinger**, the student branch counselor. He can be reached by email at d.zinger@ieee.org or by phone at **815-753-0540**.

Feds Warn of High-Tech Worker Shortage

The Department of Commerce on Sept. 29 released a report citing potential infotech labor shortages in the United States. The report, "America's New Deficit: The Shortage of Information Technology Workers," states that "Evidence is mounting that job growth in certain information technology fields now exceeds the production of talent."

According to the report, the United States and other industrialized countries "will increasingly have to rely on policies and strategies directed at educating, training and retraining their domestic work forces."

The report also noted IEEE-USA's suggested solutions to

labor-market imbalances: "IEEE-USA suggests that the shortage problem is the result of a skills mismatch created by rapidly changing technology and the difficulty of keeping worker skills up-to-date.

IEEE-USA advocates a focus on retraining the current work force, including engineers laid off in defense downsizing.

October Meeting Recap

Professor Bob Lorenz from the Univ of Wisconsin at Madison gave an enthusiastic and inspirational talk on true sensorless control of electric motors. His leading edge knowledge and activities were quite impressive. This was a must see meeting (heck they all are!!!)

January Meeting Preview

The topic for this meeting will be a discussion of the new x2 modem technology that is one of the enabling technologies for 56k bps modems.

Submissions to *Event Sense*

Send articles and job ads to the *Event Sense* editor, Bob Parro, via e-mail (preferred), or fax. Job ads will run for two consecutive months. Contact the *Event Sense* editor if the ad needs to run longer. Please make submissions by the twenty-fifth of the month. All submissions are subject to editing for style, clarity, and space considerations.

e-mail: b.parro@ieee.org
fax: (815) 394-2497

RRVS Executive Committee

(l-r) **standing:** Larry Wachowiak, Treasurer; Hassan Mansir, IAS Chapter Chair; Don Zinger, NIU Student Branch Counselor; Matt Zimmer, Secretary and IAS Chapter Vice Chair; Roger Caruana, Education and Technical Activities Chair; **seated:** Caio Ferreira, Past Section Chair and current IAS Chapters' Department Chair, Bob Parro, Section Chair; Bill Barber, Section Vice Chair and Membership Chair; Jim Buerosse, PELS Chapter Chair; Paul Peterson, Joint Computer/Control Systems Chapter Chair and Awards Chair

The Rock River Valley Section would like to give recognition to the following area companies and university for supporting Section Officers:

Sundstrand Corporation • 3C Computer Systems • William Barber & Associates • Northern Illinois University

Rock River Valley Section of the IEEE 1997-1998

[WWW: www.ieee.org/regional/section/rock_river/]

Elected Executive Committee

Chair	Bob Parro	b.parro@ieee.org	(815) 394-2947
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Secretary	Matt Zimmer	m.zimmer@ieee.org	(815) 394-3456
Treasurer	Larry Wachowiak	l.wachowiak@ieee.org	(815) 394-5676

Appointed Executive Committee Chairs

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Northern Illinois University - Student Branch Officers

St Br Counselor	Prof. Don Zinger	d.zinger@ieee.org	(815) 753-0540
St Br Chair	Jamie Phillips		
St Br Vice-Chair	Michelle Marotta		
St Br Secretary	Rob Reeder		
St Br Treasurer	Ryan McMillin		

Messages for student officers can be left at the NIU Dept of Electrical Engineering,
(815) 753-9974 or e-mail at sb.niu@ieee.org

Calendar

November Section Meeting at NIU in DeKalb Nov 20
Impact of Deregulation on the Electric Utility Industry - Student Branch Meeting

January Section Meeting Jan 29
x2 Modem Technology

February Section Meeting Wednesday, Feb 25
Joint RRVs IEEE/ASME - Can Solar Energy be Competitive in a Deregulated Energy Market?

Time-Sensitive Material

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