



Springfield Section

IEEE Technical Presentation

**The Electric Power Industry and Climate Change
And Establishment of PowerWorld Corporation**

By the Founder of the PowerWorld, Dr. Tom Overbye

Date: Thursday, April 10, 2008
Time: Social at 5:30 pm, Dinner at 6pm, Presentation starts at 7pm
Place: Delaney House (For direction see the last page)

An outline of the presentation and a bio-note of the speaker are on the next page

A plaque will be presented to the winner of 2007 Region 1 Award from our Section.

For reservation email to Kevin Gorman at kgorman@charter.net or call 413-636-1289 and qcheniso@ieee.org

Please provide the following information:

Name: _____
Organization: _____
Phone: _____
E-mail: _____

Registration Fee (check one)

Thursday, April 10 2008

IEEE Technical Presentation

- IEEE Member \$25/person and a guest \$25 /person
- Life Member \$18/person
- Student Member \$15/person
- SME/ESWM/ISO member and a guest \$28/person
- Other Non-Member \$35/person

**Please register by Friday, 4th April.*

Signature of Treasurer: _____

(This information will be used for printing name tag and receipt. You may pay by check or cash at the door)

The Electric Power Industry and Climate Change

Tom Overbye

**Fox Family Professor of Electrical and Computer Engineering
Power Systems Engineering Research Center
University of Illinois at Urbana-Champaign**

The interaction of the electric power industry with climate is manifested in both the effect that severe weather has on the power system and the contribution of electric power to the production of greenhouse gases. It is estimated that in the United States the electric power industry generates about 40% of the total CO₂ emissions. In response to increasing concerns over global climate change, this presentation will discuss a variety of issues associated with the interaction between the electric power industry and global climate change. The presenter will also share with the audience what it took to establish the PowerWorld Corporation, and how power system analysis software is used in the power industry.

Biography

Tom Overbye is the Fox Family Professor of Electrical and Computer Engineering at the University of Illinois at Urbana-Champaign (UIUC). He received his BS, MS, and Ph.D. degrees in Electrical Engineering from the University of Wisconsin-Madison in 1983, 1988 and 1991 respectively. Prior to joining UIUC he was employed with Madison Gas and Electric Company from 1983 to 1991. He has served on the U.S. DOE Power Outage Study Team in 1999, helped with their National Transmission Grid study in 2002, and served on the August 14th 2003 Blackout Investigation team. Dr. Overbye is also the original developer of PowerWorld Simulator, an innovative software package for power system analysis and visualization, and a co-founder of PowerWorld Corporation.

Directions to Delaney House:

The Delaney House is located on Route 5 at Smith's Ferry in Holyoke, Massachusetts - just minutes from I-91 and the Mass Turnpike, providing easy access from all directions:

From the Mass Pike, take Exit 4 to I-91 North. From I-91, take Exit 17A to Route 5 North. Then take first left at the traffic light. The Delaney House is 4.8 miles on the left.

From I-91 North (going South): Take Northampton Exit 18 to Route 5 South. Bear right at the end of the ramp. The Delaney House is two miles on the right.

From I-91 South (going North): Take exit 17A to Route 5 North. Then take first left at the traffic light. The Delaney House is 4.8 miles on the left.

Ample parking is available for tours and group functions. The Delaney House is also handicap accessible.