



INTERNATIONAL JOB FAIR FOR STUDENTS

**OFFERS EMPLOYERS AN IDEAL OPPORTUNITY
TO TALK WITH ENGINEERS OF THE FUTURE**

**OFFERS UNIVERSITY STUDENTS AN IDEAL OPPORTUNITY
TO TALK WITH POTENTIAL EMPLOYERS**

The **Student Industry Faculty Luncheon** with the **International Job Fair for Students** is a highlight of the General Meeting. The 2009 luncheon and job fair were a great success! The job fair provides a forum for employers and students, who both share a common interest in the power and energy industry, to meet and discuss career opportunities. It will be a simple job fair that enables one-to-one conversations between students and company engineers. Door prizes will be given to students!

Luncheon: 11:45-1:30 p.m., Wednesday, July 28, Hilton Minneapolis – Minneapolis Grand Ballroom, Level 3. During the luncheon, awards will be given for student posters. The keynote address will be from Erich Gunther, the Chairman and Chief Technology Officer of EnerNex Corporation in Knoxville, Tennessee. His presentation is entitled **Power Engineering in a Smart Grid World**, as described below.

For decades power engineers have been practicing their craft with little change in the basic skills they gain in undergraduate and graduate school as well as on-the-job training programs at utilities and power equipment manufacturers. Those skills were heavily focused on basic electrical and power engineering principles, the supporting mathematical skills necessary to apply those principles, and the best practices that have allowed us to solve very complex problems quickly in the real world. The problem is that while the real world has changed, our approach to power systems engineering education, training, and the practice of the discipline itself has not. This talk will cover a practicing consulting engineer and employer's perspective on what skills are needed to practice the art of power systems engineering in the 21st century. Mr. Gunther will discuss how his eclectic engineering and technical background accidentally prepared him for the smart grid and how our industry might try to apply those lessons learned on purpose in the future.

Job Fair: 1:30-3:00 p.m. following the luncheon

Format: Students may sit with a potential employer during lunch as space is available. Industry and faculty attendees at the luncheon will also be encouraged to sit with students for informal conversations about engineering careers. After lunch, students may circulate among recruiting tables for further conversations. They may also visit with PES members who are volunteering as career resource advisors.

Student Participation

- **Eligibility:** When you register, simply sign-up for the student industry faculty luncheon. The cost is only \$15 until June 30 and \$20 afterwards. If you have already registered but have not signed-up, please do go back to the [GM registration page](#) and update your registration to include the luncheon. You can purchase tickets at the GM, if they are available.
- **Resumes:** Optional. Some companies prefer not to collect resumes at job fairs. Consider using [PES-Careers.org](#) to post your resumes! Please do not send your resumes to the job fair organizers.
- **Updates:** Go to Twitter (@pwrstudent) for updates on the luncheon and job fair.

Employer Participation

- **Eligibility:** Any company sponsoring a table at the luncheon may participate in the job fair. These sponsorships make this student program possible and provide advertising for the sponsoring companies. Gold sponsors of the GM also receive luncheon and literature tables if they wish.
- **Registration:** To register for a luncheon table where you can sit and talk with students, and for a literature table during the job fair, contact Barry LeCerf at 913-663-1112 or BLEcerf@bullseyeinternationalgroup.com. *Companies are asked to commit to sponsoring a luncheon table by July 9.*)
- **Attendees:** The company representatives are anticipated to be engineers attending the GM. Company HR recruiters may attend if desired. Two luncheon tickets will be provided with each luncheon table sponsorship. More tickets may be purchased at the GM. A majority of the student attendees will be graduate students, but there will also be undergraduate students there.
- **Tables:** A luncheon table and a literature table will be provided to each luncheon table sponsor. A placard with company name will be on both tables. Flags, signs, display boards, and booths will not be allowed.
- **Literature Table Set-up:** Opens at 11:00 a.m.
- **PES-Careers:** Employers are encouraged to use [PES-Careers](#), the free on-line career service from IEEE PES. This will allow students to know which companies are going to be there, give them access to web information about the companies (including job opportunities), and permit them to submit resumes either via the PES-Careers website or using the company's own application procedures. For more information, go to www.pes-careers.org.

Graduates of the Last Decade (Gold) - Seminar and Reception

Wednesday July 28 5:30 - 7:00PM Hilton – Duluth, Third Floor

The Graduates of the Last Decade reception and seminar provides an opportunity for all conference attendees, in particular, current students and engineers that have graduated within the last ten years to network, meet executives of IEEE PES, and to make contacts among their peers in the power and energy community. Find out how you can contribute to PES and how it can help you. All registered attendees are invited. Light refreshments will be provided. A 20 minute seminar will begin at 6:00PM.

Student Industry Faculty Luncheon Speaker Biography

Erich W. Gunther, P.E.

Chairman and CTO, EnerNex Corporation



Erich is the Chairman and Chief Technology Officer of EnerNex Corporation in Knoxville, Tennessee where he helps EnerNex clients define their strategic direction in basic R&D, technology, and product development. Erich has 30 years of experience in the design and development of innovative solutions to a wide array of power system problems, most notably in ways to take advantage of communications networks and technology to improve the efficiency, operating practices, and security of the electric power system.

In 2004, Erich was appointed to the U.S. Department of Energy (DOE) GridWise Architecture Council - a team of experts assembled to articulate the guiding principles that constitute the architecture of a future, intelligent, energy system.

Erich and his team at EnerNex were recognized at the 2007 and 2008 DOE GridWeek conferences by receiving the GridWeek Smart Grid Award for “Smart Grid Implementation and Deployment Leadership” and most recently was named by GreenTech Media in their Networked Grid 100 list of Movers and Shakers in the Smart Grid.

Erich and his team are working with leading utilities on their AMI and smart grid projects and roadmap development efforts including Southern California Edison, Consumers Energy, Entergy, First Energy, Duke Energy, Salt River Project, Southern Company, and many others. He is a primary contractor and partner with EPRI’s IntelliGrid program, is actively involved in the DOE Modern Grid Initiative, founded the UCAIug Open Smart Grid Subcommittee, chairs the UtilityAMI and OpenHAN working groups of the UCAIug and serves as the Vice Chairman of the IEEE PES Intelligent Grid Coordinating Committee. Erich serves on several corporate boards including the UCAIug as its chairman, the IEEE Power and Energy Society, ReNomics, Smart Grid Labs, and the Center for Advanced Technology Applications.

Most recently, Erich's team was awarded a \$8.5 M contract to help NIST sustain the accelerated development of the hundreds of compatible that will be required to build a secure, interoperable smart electric power grid standards through the creation and administration of the Smart Grid Interoperability Panel (SGIP).

Erich received his BSEE from Gannon University in 1980 and his Master of Engineering degree in Electric Power Engineering from Rensselaer Polytechnic Institute in 1984. He is a registered professional engineer in the state of Tennessee, a licensed private helicopter and fixed wing pilot, and an amateur radio operator (AJ4XZ).