



IEEE POWER & ENERGY SOCIETY GENERAL MEETING SCHEDULED FOR JULY 20-24, 2008 IN PITTSBURGH, PENNSYLVANIA, USA

WHO SHOULD ATTEND

The IEEE Power & Energy Society's 2008 General Meeting in Pittsburgh, PA, USA, will bring together practicing power engineers, managers, designers, testers, operators, planners, policy makers, economists, academics, suppliers, IT professionals, energy professionals, consultants, and many others with interest in the power and energy profession. If **you** have an interest in any aspects of the power and energy field, you should attend this world-class event.

MEETING OVERVIEW

The 2008 General Meeting features a comprehensive technical program that is focused on significant issues facing the global community of power and energy professionals. The intent of the meeting is to provide an international forum for attendees to promote, share and discuss a myriad of ongoing developments that relate to today's power and energy industry. PES is pleased to announce that the General Meeting is being co-hosted by Allegheny Power and Duquesne Light.

Conversion and Delivery of Electrical Energy in the 21st Century has been selected as the conference theme. During the meeting, attendees will have the opportunity to participate in many high quality technical sessions, several tutorials and technical tours, committee meetings, networking opportunities, PES award presentations, social functions and more. The General Meeting will feature hundreds of technical panel and paper sessions scheduled during the conference. Continuing Education Units (CEUs) will be awarded for tutorial sessions. Professional Development Hours (PDHs) forms will be available at the General Meeting for the use of conference attendees. Also planned throughout the week are a student program and several entertaining companion activities.

Supporting the theme are preferential technical topics that have been organized into a number of tracks:

- Track 1: Understanding and Responding to System-Wide Events
- Track 2: Utilization of Energy Resources
- Track 3: New Technologies
- Track 4: Power Reliability, Quality and Safety
- Track 5: Improved Measurement and Control Technologies
- Track 6: New Market Structures

The conference will include Super Sessions, which are designed to explore topics from a number of different perspectives. Experts from the PES Technical Committees will address subjects such as: emerging technologies and smart grids; wind power; fuels cells; distributed generation and distributed energy resources; secure power systems and dispersed generation; and nuclear power topics. Attendees are encouraged to visit the General Meeting web site often to view updates on the planned Super Session topics.

- Wind Power
- Distributed Generation
- Nuclear Power
- Smart Grid
- Vision 2020

THE NUCLEAR RENAISSANCE

The Plenary Session, scheduled for Monday, July 21 from 9:00 a.m. to 11:00 a.m., offers a terrific program that should not be missed by any attendee. It will focus on *The Nuclear Renaissance* and the resurgence of interest in building new nuclear power plants in North America and Western Europe. Featured speakers include a blue ribbon panel of experts: Dr. Dale E. Klein, Chairman, Nuclear Regulatory Commission; David Christian, President and Chief Nuclear Officer, Dominion Nuclear; and Steven Tritch, President and CEO, Westinghouse Electric Co.

POWER SYSTEMS COURSES - PLAIN TALK

Three PlainTalk Power Systems Courses for Non-Engineering Professionals are planned. The courses are geared to policy makers, regulatory and energy agency leaders, power marketers and brokers and those in the legal profession who confront power and energy issues and do not have an engineering background. The courses will provide non-engineering professionals who work within the power industry a better understanding of electric systems planning, operations and regulatory frameworks. The courses are offered July 22-24. The three day schedule includes:

- **Day One:** Power Systems Basics-Understanding the Electric Utility Operation Inside and Out (Tuesday)
- **Day Two:** Delivering Power to Customers -- Planning and Operating Today's Distribution System, Substations and Radial Lines (Wednesday)
- **Day Three:** The Grid - The Interconnected Electric Bulk Power System (Thursday)

TUTORIALS

An exceptional set of tutorial have been planned for this meeting, including the following:

- Static VAR Compensators (Sunday)
- Understanding Power Electronics in Contemporary Power Systems (Monday)
- Wind Generation (Tuesday)
- Power Electronics: Power Factor, Harmonics, Motor Drives & Starters (Tuesday)
- Probabilistic T&D System Reliability Planning (Wednesday)
- Lightning Protection (Wednesday)
- Distribution Automation (Thursday)
- Circuit Breakers (Thursday)

STUDENT PROGRAM

A special student program for IEEE PES student members will include a Student/ Faculty/ Industry luncheon and Poster Contest. Students are invited and encouraged to participate in all aspects of the General Meeting as well.

TECHNICAL TOURS

A number of outstanding technical tours are scheduled by the Local Organizing Committee. Attendees should note that a one-day or full registration will be required for participation in the tours. Advance registration for the tours is required to allow for a security clearance of each registered individual. As with previous General Meetings, there will be no on-site technical tour registration and all tours will be offered on a first-come, first-served basis. The current schedule includes:

- A Power Quality Laboratory Tour-Eaton Corp. (Monday & Wednesday)
- Power Distribution Substation Tour-Duquesne Light Co. (Tuesday & Wednesday)

- Power Generation & Fuel Cell Tour-Westinghouse Nuclear & HydroGen (Tuesday & Wednesday)
- Power Transformer and Insulation Materials Research Tour-Pennsylvania Transformer Technology, Inc. and Touchstone Research Laboratory, Ltd. (Tuesday & Wednesday)
- Power Electronics Tour-Compunetics and Compunetix (Tuesday)

COMPANION ACTIVITIES

A full schedule of activities has been planned by the Local Organizing Committee during the meeting. Register now as reservations fill up fast. The schedule includes children-friendly events for those registered for the meeting:

- **Getting to Know Pittsburgh**, Complete city tour, Sunday, July 20, 1:00 pm-3:30 pm and Monday, July 21, 9:30 am - 12:00 noon
- **Welcome Reception-Gateway Clipper Riverboat Cruise**, Sunday Evening, July 20, 6:00 pm - 9:00 pm
- **Carnegie Science Center and UPMC Sports Works**, Monday, July 21, 10:00 am - 4:00 pm
- **Creativity Abounds-Glass Gallery Tour**, Monday, July 21, 1:00 pm - 4:00 pm
- **Architectural Splendor**--Frank Lloyd Wright's Fallingwater and Nemacolin Woodlands Resort and wine cellar, Tuesday, July 22, 9:00 am - 4:00 pm
- **International Art & Dinosaurs**--55th Carnegie International Exhibit, Tuesday, July 22, 9:30 am-1:00 pm
- **Feel Like a Pro-PNC Park and Heinz Field**, Tuesday, July 22, 1:00 pm - 4:30 pm
- **Kayaking on the River**, Wednesday, July 23, 8:00 am - 11:00 am
- **Victorian Wonder-Clayton Mansion and Frick Art Museum**, Wednesday, July 23, 1:30 pm - 4:30 pm
- **Walking Architectural Tour-Downtown Pittsburgh**, (H.H. Richardson's stone Allegheny Courthouse, the Union Trust Building, the Burke Building, and the PPG building), Wednesday, July 23, 9:30 am - 1:00 pm
- **Buffet Dinner and Musical (Annie Get Your Gun)**, Wednesday, July 23, 5:00 pm - 10:00 pm

OTHER LOCAL ATTRACTIONS

In addition to the companion activities and tours mentioned above your itinerary might include a visit to the following places of interest:

- **The Pittsburgh Zoo and PPG Aquarium.**
- **The National Aviary** - the largest bird zoo in the United States.

- **The Andy Warhol Museum** - one of the largest single-artist museums in the world.
- **Kennywood Park**, voted one of the best amusement parks in the United States.

Pittsburgh is easy to get to and is in close proximity to many other major metropolitan centers of the United States. In fact, 50 percent of the population of the United States is within an 8 hour drive or a 90 minute flight from the city.

REGISTRATION AND HOTEL

Power and energy professionals throughout the world who are interested in attending the 2008 IEEE PES General Meeting, July 20-24, 2008, in Pittsburgh, Pennsylvania, USA can now access register online via the meeting web site at <http://ewh.ieee.org/cmte/PESGM08> or www.ieee.org/pes

Important Notice: As of June 20, 2008, the conference hotel room blocks at both the Westin Convention Center and OMNI Hotels are now full, but rooms may open up at any time due to cancellations. Call the Phone Reservations number listed by each hotel on the website at <http://ewh.ieee.org/cmte/PESGM08> to check for room availability. Check these websites for other hotels in the area: <http://www.visitpittsburgh.com>

RAISE YOUR COMPANY'S PROFILE

Manufacturers and suppliers of equipment and services to the power and energy market are invited to support the 2008 General Meeting through a variety of opportunities that are available. Information about these opportunities are available on the General Meeting web site at "Raise Your Company's Profile" link at <http://ewh.ieee.org/cmte/PESGM08> or call Bullseye International Group at 913-663-1112.

**See you in 2008 in Pittsburgh -Where it All Comes Together
Pittsburgh – Places Rated Almanac's America's Most Livable City**