

# IEEE/PES MEMBERS BLAZING TRAILS IN ENERGY DELIVERY AND SERVICES

Professional Engineers and energy enthusiasts alike will be gathering September 7-12, in Dallas, Texas: the host for this year's Transmission and Distribution Conference. IEEE's theme this year is 'Blazing Trails in Energy Delivery and Services'. It focuses on the changing landscape of market forces, products, services and technologies. Some of the major players include wind generation and distributed resource companies. The 2003 IEEE/PES Transmission & Distribution Conference gives energy professionals a glimpse into the ever changing power industry.

## 500 EXHIBITORS

The conference starts on the exhibit floor at the 2003 IEEE/PES Transmission and Distribution Conference and Exposition. Roughly 500 exhibiting companies will showcase their equipment, products, and services utilizing almost 200,000 square feet of continuous floor space. Evidence of the rapidly changing industry will be found here with the growing number and diversity of first-time exhibiting companies.

This is the perfect opportunity for exhibitors to meet with vendor or customer. This is the industry's largest convergence of engineers, manufacturers, buyers, and suppliers. The exhibit, which runs from September 8-10, will provide an excellent opportunity for buyers and sellers to meet and discuss the latest in electrical equipment and technologies.

## EDUCATIONAL TRACKS

The technical program will include the traditional technical paper and panel sessions, but will also include new educational tracks on engineering fundamentals and current hot topics for the power systems professional. Specifically, there will be a two-day, fourteen hour educational track taught by leading power system industry engineers on the latest hot topics in the industry. These issues include Distributed Generation: Opportunities and Challenges for the T&D System; Distribution Reliability Bench-marking: Are We Comparing Apples to Oranges?; and Distribution System Design and Operation to Improve Power Quality Performance.

The program will include more than 150 conference papers on a wide variety of technical topics. IEEE continues its dedication to developing the power engineering minds of tomorrow and will host a second, two-day educational track. This fourteen-hour seminar on power system engineering fundamentals will include discussion of such topics as the fundamentals of Short Circuit Calculations; System Protection; Loadflow; and Motors and Drives.



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## PANEL SESSIONS

The Dallas Convention Center Theater will be turned into a discussion hotbed for some of the Super Sessions. 'Grid Security in Today's World' focuses on the planning, design and operation of the electric power grid that often contends with traditional reliability threats involving equipment failures, supply shortages, severe weather or other adverse environmental effects, human error, and accidental or deliberate acts of vandalism. A panel of industry and government experts, including Michehl Gent, NERC President and CEO, and Alison Silverstein from FERC, will provide a focused perspective on these new threats.

Super Session II discusses Standard Market Design (SMD). The Federal Energy Regulatory Commission has been consistently encouraging deregulation of the electric industry through opening transmission systems for use by all market participants, not just the owners of transmission. The goals of SMD are to ensure consistent market rules across the U.S. and to prevent market manipulation. The proposed schedule places SMD in operation in the fall of 2004. This session will discuss the proposed SMD rules, and their anticipated impact, from a variety of perspectives.

In the Dallas Convention Center Ballroom, two special panel discussions are scheduled. 'The Last Mile' session will explore new technologies used for fiber communications and then cover the impact they will have on the electric and gas distribution systems. The second will cover the latest developments in Wind Energy.

## FOR STUDENTS

Engineering students from universities and colleges around the country will present papers they have prepared under the direction of sponsoring professors. The paper content and presentation will be judged by a panel of engineers from industry and higher learning. This will be an exciting forum to see the fresh ideas that the next generation of engineers will be bringing to our industry. **ET**

