



2004 Power Systems  
Conference and Exposition  
October 10-13, 2004  
New York City  
[www.ieee.org/power](http://www.ieee.org/power)



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## Call for Papers

### *New Solutions for New Challenges*

The IEEE Power Engineering Society's 2004 Power Systems Conference and Exposition will be held at the Grand Hyatt Hotel in New York, New York, from October 10<sup>th</sup>-13<sup>th</sup> 2004. This inaugural power systems engineering conference will bring together practicing power engineers and academics from around the world to address the topics under the theme: **New Solutions for New Challenges**. This event will provide a venue to share and discuss various issues and developments in the field of electrical power systems engineering, focusing on the following tracks:

#### **TRACK 1: Planning and Operation, covering such topics as**

- Generation system resource planning
- Transmission and distribution system planning
- Integrated resource and distributed resource planning
- Load forecasting
- Customer products and services
- Industry restructuring planning
- Transmission and distribution operations, security, and asset management

#### **TRACK 2: Markets, Policies, and Economics, covering such topics as**

- Emerging methods for restructured systems
- Economics, market organization, cost structures, pricing, and information security
- Industry restructuring policy issues and market design
- Ancillary services
- Risk management
- Long-term adequacy
- Cost / benefit issues
- Financial settlement
- Merchant power

### **TRACK 3: Dynamic Performance of Power Systems, covering such topics as**

- Modeling for dynamic performance analysis
- Stability and control
- System dynamics measurements
- Reliability, uncertainty, and stochastic system applications
- Distribution system performance
- Modeling, performance and control with emerging technologies (e.g., FACTS, distributed generation, superconductivity)
- Dynamic security assessment

### **TRACK 4: Real-Time Applications, covering such topics as**

- On-line tools and Internet applications
- Energy automation and information
- Systems integration
- On-line monitoring and diagnostics
- Cyber security
- SCADA / EMS / DMS
- Substation and distribution automation
- Computational techniques and analytical methods for planning, operation, and control
- Computing applications and information processing
- Intelligent systems
- Industry applications

### **Educational Track: Understanding Power Systems, covering such topics as**

- Educational and training programs
- Innovative methods of presenting power system engineering concepts
- Visualization techniques
- Internet tools for better understanding of power systems

**Manuscript Submission:** Complete manuscripts are to be submitted electronically via the PES 2004 Power Systems Conference and Exposition website, which will be linked to the PES home page ([www.ieee.org/power](http://www.ieee.org/power)). The site will be available for paper submissions beginning early *February, 2004 through April 12, 2004*. Authors will be notified of the decision regarding their paper by *May 28, 2004*. Please check the PES website and the PES Author's Kit for manuscript formatting and preparation instructions and more information about submission as it becomes available. All submissions will be reviewed as conference-grade papers.

#### **Important Dates:**

<b>Proceedings and Panel Papers Due:</b>	<b>April 12, 2004</b>
<b>Panel Authors Notified:</b>	<b>April 28, 2004</b>
<b>Proceedings Authors Notified:</b>	<b>May 28, 2004</b>
<b>Author Registration Deadline:</b>	<b>June 18, 2004</b>