CALL FOR PAPERS

Seventh IASTED International Multi-Conference
POWER AND ENERGY SYSTEMS – PES 2003
February 24-26, 2003
Palm Springs, California, USA

SPONSORS
The International Association of Science and Technology for Development
• Technical Committee on Energy and Power Systems

TECHNICAL CO-SPONSOR
IEEE Power Electronics Society

LOCATION
Located 100 miles east of Los Angeles, California, Palm Springs is a lush oasis amidst a desert. With its numerous palm trees and sun that shines 350 days a year, Palm Springs has become one of the most popular tourist attractions in California. It also boasts an impressive number of exciting attractions, including the Living Desert, where one may tour 1200 acres full of fascinating wildlife. One may also visit the Indian Canyons, famous for their beautiful scenery, or the Joshua Tree National Park, which contains California’s most unusual geological phenomena. There are also several excellent museums, including the Palm Springs Desert Museum that displays exhibitions on art, natural science, and performing arts, as well as the Palm Springs Air Museum, which contains one of the world’s most impressive assortments of World War II planes.

PURPOSE
Applied Informatics 2003 will act as a major forum for the presentation of innovative developments and the exchange of information for researchers and practitioners. It will consist of four conferences:

POWER GENERATION AND RENEWABLE ENERGY SOURCES (PGRES ’03)

SCOPE
The topics to be covered include but are not limited to:

• Power Generation
• Power Plants
• Distributed Generation
• Cogeneration
• Generator Protection and Control
• Self-generation
• Micro-generators
• Parallel Operation of Generators
• Generator Protection
• Modelling and Simulation of Power Plants
• Energy Conversion
• Energy Conservation
• Energy Efficiency
• Energy and the Environment
• Energy Storage
TRANSMISSION, DISTRIBUTION AND AUTOMATION (TDA ’03)

SCOPE
The topics to be covered include but are not limited to:

- Transmission Planning
- Transmission Protection
- High-voltage Transmission
- HVDC Transmission
- FACTS
- Corona Discharge
- Transformers
- Motors
- AC/DC Drives
- Electric Machines
- Circuit Breakers
- SF6 Technology
- Switchgear
- Power and Control Cables
- Cable Accessories
- Tariff Metering
- Protection Systems
- Electrical Insulation
- Grounding Systems
- Partial Discharge
- Lightning Protection
- Surge Arresters
- Testing Methods
- Power Line Communications
- Digital Metering
- Distribution Automation
- Process Automation
- SCADA Systems
- Tele-control Systems
- Programmable Logic Controllers
- Instrumentation
- Human-Machine Interfaces
- Power Quality
• Environmental Effects
• Safety Issues
• Software Tools
• Computer-aided Design
• Modelling and Simulation

POWER ELECTRONICS TECHNOLOGY AND APPLICATIONS (PETA ’03)

SCOPE
The topics to be covered include but are not limited to:

• Power Electronics Devices
• Integrated Circuit Design
• Power Switching
• Soft Switching Techniques
• Power Supplies
• Capacitor Switching
• Online Monitoring and Diagnosis
• Power Converters
• Converter Controllers
• Microprocessor-based Control
• DSP Control
• Power Amplifiers
• Drive Systems
• Actuators
• Active Power Filters
• Rectifier Technology
• Voltage Regulation
• Inverters
• PWM Techniques
• Magnetic Devices
• Sensor Technology
• FACTS Devices
• Power Quality and Harmonics
• Power Conditioning
• Power Factor Compensation
• Fuzzy Logic Techniques
• Genetic Algorithms
• Modelling and Simulation

Applications:
• Alternative Power Generation
• Utility Systems
• Industrial Control
• Automotives
• Avionics
• Micro-electromechanical Systems
• Lighting Systems
• Telecommunications
• Computers
• Consumer Products
• Biomedical Applications

POWER SYSTEM PLANNING AND OPERATION (PSPO ’03)

SCOPE
The topics to be covered include but are not limited to:

- Power System Planning
- Power System Control
- Power Flow Analysis
- Power System Operation
- Modelling and Simulation of Power Systems
- Artificial Intelligence Applications
- Soft Computing Applications
- Fuzzy Logic Control
- Voltage Control
- Stability
- Power Quality and Harmonics Analysis
- Computational Intelligence
- Power Delivery
- Information Systems
- Remote Operation
- Control Center Design
- Internet and Web Applications
- Telecommunication Applications
- Load Modelling and Estimation
- Security Assessment
- Risk Analysis
- Forecasting
- Demand Side Management
- Load Shedding
- Optimization Techniques
- Power Market Deregulation
- Global Restructuring
- Utilities Management
- Ancillary Services
- Infrastructure Development
- Investment Strategy
- Energy Supply Chain Management
- Energy Pricing
- Retail Power Markets
- Electricity Power Pools
- Software Tools for Network Studies
- Power Engineering and Education
- Modelling and Simulation

CONFEREE CHAIR
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Please submit your full manuscript via our Web site at:
Files larger than 2MB must be submitted to our FTP site at www.actapress.com (user name: actaftp; password: Journals1). If you submit your manuscript to our FTP site, please send a notification e-mail with your contact information to calgary@iasted.com. All submissions should be in Adobe Acrobat (.pdf), Postscript (.ps), or MS Word (.doc) format. The IASTED Secretariat must receive your manuscript by October 31, 2002. Do not send hard copies of your manuscript. Receipt of submissions will be confirmed by e-mail.

Please provide four key words to indicate the subject area of your paper. Two of the key words must be taken from the list of topics provided under Scope. Include a statement in your cover letter confirming that if the paper is accepted, one of the authors will attend the conference to present it. Please designate a principal author, and provide the full names, affiliations, addresses, telephone and fax numbers, and e-mail addresses of all authors.

Notification of acceptance will be sent via e-mail by December 1, 2002. Registration payments and final manuscripts are due by January 10, 2003. Late registration fees or paper submissions will result in the papers being excluded from the conference proceedings. Please send final manuscripts via e-mail or our FTP site using the same procedure as described above. The page limit for final papers is six pages (single-spaced, double-column, 10 point Times New Roman font). The additional paper and page charges are USD $75.00 per page.

TUTORIALS
Proposals for half-day tutorials (three hours) should be submitted online by October 31, 2002, via the following Web site address: http://www.iasted.org/conferences/2003/palm/tutorialsubmit-379.htm.
A tutorial proposal should clearly indicate the symposium, topic, background knowledge expected of the participants, objectives, time allocations for the major course topics, and the qualifications of the instructor(s).

SPECIAL SESSIONS
Persons wishing to organize a special session are invited to submit a proposal to the IASTED Secretariat by October 31, 2002. A proposed session should include a minimum of five papers, a session title, a list of the topics covered, and the biography of the organizer(s). The name of the session organizer will appear in the program and proceedings, provided five papers are presented. Special session proposals should be submitted online at the following address: http://www.iasted.org/conferences/2003/palm/sessionsubmit-379.htm.

JOURNAL SUBMISSIONS
All final manuscripts will be reviewed for journal submission. Some authors may be invited to submit extended versions of their paper for publication in a special issue of the International Journal of Power and Energy Systems. For further information about journal submissions, please visit www.actapress.com.

IMPORTANT DEADLINES

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<tr>
<td>Notification of Acceptance</td>
<td>December 1, 2002</td>
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<tr>
<td>Registration, full payment, and final</td>
<td>January 10, 2003</td>
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For more information or to be placed on our mailing list, please contact:

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