

Local Organizing Committee

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M.T. Schilling, Brazil

Important Dates

NEW

Proposals for special sessions/tutorials Oct. 26, 2001
Abstract submission Oct. 26, 2001
Paper submission Mar. 1, 2002
Notification of acceptance and revision: May 10, 2002
Submission of final contributions: June 28, 2002

Submission addresses

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CALL FOR PAPERS



Probabilistic Methods Applied to Power Systems

Naples, Italy
September, 22 – 26, 2002

organized by

PMAPS International Society,
University of Cassino and Second University of Naples



General Theme of the Conference

PMAPS 2002 focuses on methods of representing and dealing with uncertainty in Power Systems, as every Conference of the PMAPS series.

Probabilistic methods were the main topic of the early Conferences and hence the name. Recently, the Conference interest is extended to all methods dealing with uncertainty: fuzzy sets, rough sets, interval methods, fractals, chaos and others; knowledge-based models and similar are welcome.

Application to Power Systems is the common denominator. Anyway, the view ranges from power and energy problems to include civil engineering problems, economics and market problems, and problems in planning, construction, operation or maintenance.

PMAPS 2002 takes place in a key moment in the evolution of energy markets toward liberalization. In this scenario, it was chosen the general theme:

New Challenges for Liberalized Energy Markets

under the motto

Reduction of Costs and Management of Risk and Quality

which seems to match well with the current situation of the power utilities all over the world.

Preferred topics

Submission of papers with contributions related to the topics below are invited.

General theme

- new challenges for liberalized energy markets: reduction of costs and management of risk and quality.

Techniques

- mathematical and algorithmic advances in probability methods;
- soft computing (fuzzy sets, evolutionary programming, neural networks, rough sets...) and probabilistic methods - comparisons, convergence of application, mixed approaches;
- knowledge-based systems including uncertainty modeling;
- new methods and techniques.

Applications

• System planning • Generation and transmission analysis • Energy trading • Hydro system modeling, including multiple-purpose systems (power, agricultural, flood control...) • River dam safety • Renewable energy resources • Distribution and customer reliability • Customer costs and business development • Electrification of developing countries and regions • Business and investment • Software reliability in power applications • Fault-tolerant systems • Building automation • Maintenance and reliability • Reliability analysis of structures • Human reliability • Biological effects • Eye impact • Supplying costumers with high reliability and quality requirements • Practical and industrial applications • Measurements • Stochastic approaches for optimisation problems and application to superconducting magnetics, SMES, inductive heating, etc. • Inverse problems • Power electronic impact • Harmonics and quality of power • Characterisation of materials, devices and apparatus and its applications • Seismic concerns • Any other relevant mechanical or electric problem.

Paper submission

Prospective authors are invited to submit a one-page abstract including a tentative title of the paper and an author listing underlining the contact author for further correspondence to the Organizing Committee by October 26, 2001. Sending the abstract is strongly recommended for a better sessions scheduling while the acceptance of the paper is subjected to the full paper review process.

The papers should be written in English and in IEEE PES format (www.ieee.org/power). The full paper length should not exceed six pages. Please, forward submissions to the Organizing Committee preferably via e-mail (PDF or MsWord format) or by post to the indicated submission addresses by March 1, 2002.

Presentations & Proceedings

To ensure a high-quality conference all full papers will be reviewed by the Technical Advisory Committee. All papers accepted must be presented by at least one of the authors. A completed registration form and the appropriate registration fee for at least one author of each paper must be received by the Organizing Committee before June 30, 2002. Papers that are presented will be included in the conference proceedings.

Special sessions and tutorials

Prospective organizers of special sessions and tutorials are invited to submit proposals by October 26, 2001.

Registration and fees

	Before June 30, 2002		On-site	
	USD	€	USD	€
Full	600	650	750	820
Students	200	220	300	330
Accompanying persons	50	55	75	80
Tutorial*	150	165	150	165

*Tutorials will take place only if there is a minimum number of registrations.

The full registration fees include attendance at all sessions, conference proceedings, technical visits, cocktail reception, lunches and conference dinners. Registration forms, when available, will be downloadable from the PMAPS 2002 web site: www.pmaps2002.it.

Special issue

A selection of papers will be submitted to the most prestigious Journals (IEEE Transactions, IEE Proceedings, ETEP).

Students

A special program will be organized for the students.

Accompanying persons

A special program will be organized in the most famous sites in and around Naples – Capri, Sorrento, Pompeii

Official carrier

ALITALIA is official carrier. Foreign delegates may contact their nearest ALITALIA office (see the addresses and the phone numbers on Alitalia internet WEB site: www.alitalia.it) to request information and make reservations on available flights to NAPOLI (Italy). Please mention the “KQ” IDENTIFICATION CODE. Delegates coming from the United States may contact their nearest ALITALIA OFFICE or call the toll-free number 1-800-223-5730 to reserve flights and receive tickets by mail directly to the address they indicate, giving both their “KQ” IDENTIFICATION CODE and credit card number for the charging of the corresponding amount. All participants will benefit of a special discount on available fares.

Conference venue

The conference will be held at Royal Continental Hotel, located in a wonderful area overlooking the gulf of Naples.