SMTDA 2012

International Conference on

Stochastic Modeling Techniques and Data Analysis

5 - 8 June 2012 Chania Crete Greece   www.smtda.net

The main goal of the Stochastic Modeling Techniques and Data Analysis International Conference (SMTDA2012) is to promote new methods and techniques for analyzing data, in fields like stochastic modeling, optimization techniques, statistical methods and inference, data mining and knowledge systems, computing-aided decision supports, neural networks and chaotic data analysis.
SMTDA aims at bringing together people from both stochastic and data analysis areas. Special attention is given to applications or to new theoretical results having potential of solving real life problems.
As it was decided by the Conference Committee during the SMTDA 2010 meeting of 10 June 2010 in Chania the next SMTDA2012 will be held in Chania Crete Greece June 5 - 8, 2012.
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SMTDA2012 is sponsored by the ASMDA International Society.

Methodological approaches

Poisson, Markov, semi-Markov processes,
Point processes,
Martingales, Stochastic calculus,
Random evolutions,
Decision and Controlled Processes,
Diffusion and Poisson approximations,
Asymptotic models and Weak Convergences,
Statistical inference for Stochastic processes ,
Hidden Markov and semi-Markov processes,
Fitting models for data,
Reliability and survival analysis,
Bayesian inference,
Functional data analysis,
Discriminant and Regression Analysis,
Mixture model and Probabilistic approach to Clustering,
Analysis of complex data (incomplete, censored, missing,
spatio-temporal, imprecise, fuzzy,...),
Theories of uncertainty,
Graphical models and Bayesian networks,
Chaotic and Stochastic processes,
Analysis of Chaotic processes.
Multidimensional Scaling and Multi-way Data Analysis,
Sensory Analysis,
Classification and Documentation,
Data and Text Mining

Special techniques and algorithms

Neural Networks,
Genetic and Fuzzy Algorithms,
Support Vector Machine,
Monte Carlo Methods,
Chaotic Simulation.

Conference Location
Panorama Hotel
Chania, Crete, Greece
www.panorama-hotel.gr

Papers and Presentations

Conference presentations would be Theoretical and Technical papers, Case studies, Applications, Collaborative projects targeted at a wide range of audiences.
Particular attention will be given to interesting applications in engineering, productions and services (maintenance, reliability, planning and control, quality control, finance, insurance, management and administration, inventory and logistics, marketing, environment, human resources, biotechnology, medicine, ...).

Also we encourage special session and workshop (more than 2 sessions) proposals.
Submit a Proposal for a session or a workshop to secretariat@smtda.net

Proposals must include the following information:
- Proposed title
- One to two paragraph abstract
- Name(s) and contact information for the chairman and the committee (in the case of a workshop)

Publications of SMTDA2012 Conference papers
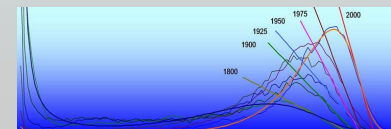
The publications of the conference include
— The Book of Abstracts in Electronic and in Paper form
— Electronic Proceedings in CD and in the web in a permanent website
— Publication of the best papers in Books or Journals

Demographics 2012

ASMDA Sponsoring

Contact:
Email: secretariat@smtda.net
Website: http://www.smtda.net

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