

## IPMU 2004 FIRST ANNOUNCEMENT AND CALL FOR PAPERS

10th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems

July, 4-9, 2004, Perugia - Italy

<http://ipmu2004.dipmat.unipg.it>

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### PURPOSE OF THE CONFERENCE

The IPMU Conference is organized every two years with the focus of bringing together scientists working on methods for the management of uncertainty and aggregation of information in intelligent systems.

This conference provides a medium for the exchange of ideas between theoreticians and practitioners in these and related areas.

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### TOPICS

#### Theory, methods and tools

Bayesian and Probabilistic Methods, Measure of Information and Uncertainty, Evidence Theory, Possibility Theory, Utility Theory, Measurement Theory, Belief Networks, Chaos Theory, Fuzzy Methods, Rough Sets, Belief Updating, Default Reasoning, Multivalued Logics, Temporal Reasoning, Non-standard Logics, Non-monotonic Logics, Approximate Reasoning, Knowledge Acquisition, Knowledge Representation, Uncertainty in Cognition, Information Incompleteness and Inconsistency, Genetic Algorithms, Evolutionary Computation, Machine Learning, Inductive Methods, Neural Networks, Aggregation Methods, Data Analysis.

#### Application fields

Intelligent Systems, Fuzzy Control, Diagnosis Systems, Expert Systems, Hybrid Systems, Clustering, Classification, Databases, Pattern Recognition, Bioinformatics, Medical Applications, Financial Engineering, Multi-Media Management, Decision Support Systems, Cyber Security, Software Engineering, Multicriteria and Group Decision Making, Information Systems, Information Retrieval, Information Fusion, Data Mining, User profiling, Intelligent web technologies.

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### SUPPORTED BY

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#### INSTRUCTIONS FOR AUTHORS

All submitted papers should present research advances. Contributions will be selected based upon their quality as evaluated by at least two reviewers.

A number of special sessions will be included in the program. Authors will be invited to contribute to these sessions. The special sessions will be chaired by recognised experts in the topics. Proposals for special sessions are welcome to be considered by the program committee.

One full registration will cover acceptance of up to two papers; each additional accepted paper associated with the same registration will be subject to an additional fee.

#### PAPER FORMAT

Submitted full papers should be between 4 to 8 pages in length. The authors should electronically submit their papers, written in English, following the instructions in the conference web page site

<http://ipmu2004.dipmat.unipg.it>,

no later than October 12, 2003.

Authors unable to submit papers electronically should send three copies of the complete paper to the Secretariat at the address given below.

#### DATES AND DEADLINES

September 14, 2003: Submission of special sessions

October 12, 2003: Notification of acceptance of special sessions

October 12, 2003: Submission of papers

February 14, 2004: Notification of acceptance

March 31, 2004: Submission of final papers

July, 4-9, 2004: Conference

#### SECRETARIAT IPMU2004

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#### VENUE

In 2004, the conference is being held in Perugia, an historical city located in the center of Italy.

Perugia, considered to be one of the most famous cities of Italy due to its rich history and its artistic treasures, has preserved noble signs of beauty and charm from the beginning right through to modern times which are clear 2 of the splendour of its past. It hosts one of the oldest Italian universities.