

Call for Papers

IPMU-2012

**14th International Conference on Information Processing and
Management of Uncertainty in Knowledge-Based Systems**

Palazzo delle Scienze

Catania, Italy, 9 – 13 July 2012

www.ipmu2012.unict.it

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

TOPICS AND SCOPE OF THE CONFERENCE

Theory, Methods, and Tools: Uncertainty, Bayesian and Probabilistic Methods, Information Theory, Measures of Information and Uncertainty, Evidence and Possibility Theory, Utility Theory, Fuzzy Sets and Fuzzy Logic, Rough Sets, Multiple Criteria Decision Methods, Aggregation Methods, Knowledge Representation, Approximate Reasoning, Non-classical Logics, Default Reasoning, Belief Revision, Argumentation, Ontologies, Uncertainty in Cognition, Graphical Models, Knowledge Acquisition, Machine Learning, Evolutionary Computation, Neural Networks, Data Analysis.

Application Fields: Intelligent Systems and Information Processing, Decision Support, Database and Information Systems, Information Retrieval and Fusion, Image Processing, Multi-Media, Agents, Pattern Recognition, Medicine and Bioinformatics, Finance, Software Engineering, Industrial Engineering.

ORGANIZATION

General Chair Salvatore Greco (University of Catania, Italy)

Vice Chairs Giulianella Coletti (University of Perugia, Italy)
Mario Fedrizzi (University of Trento, Italy)
Benedetto Matarazzo (University of Catania, Italy)

Executive Directors Bernadette Bouchon-Meunier (CNRS, Université Pierre et Marie Curie, Paris)
Ronald R. Yager (Iona College, New Rochelle, USA)

KEYNOTE SPEAKERS

Kalyanmoy Deb, Antonino Di Nola, Christophe Marsala, Roman Slowinski, Tomohiro Takagi, Peter Wakker

PAPER SUBMISSION

The deadline for paper submission is **December 10th, 2011**. Formatting instructions and files are available through the conference website. All submissions will be peer-reviewed on the basis of originality and scientific quality, and authors will be notified about acceptance or rejection by **February 25th, 2012**.