

**SIPTA**

SIPTA SCHOOL 08, Montpellier, France, July 2-8, 2008

Presentation

The Society for Imprecise Probability: Theories and Applications (**SIPTA**) organizes the 3rd edition of its school in Montpellier, France, during 2-8 July 2008, the local organization being handled by the LIRMM of the University of Montpellier. The city of Montpellier is located in the south of France, on the Mediterranean coast, and the school will be held at the CRDP in the very centre of Montpellier.

The aim of **SIPTA** schools is to introduce interested students and researchers with the basics of imprecise probability topics, both theoretical and applied. Some of the best specialists in different aspects of imprecise probabilities lecture, during one week time, on the main concepts and techniques associated to their area of expertise, in a friendly environment favouring interactions between participants.

Organizers

Jean-Marc Bernard
Kevin Loquin
Céline Berger
Olivier Strauss

Topics & Lecturers

Imprecise probability is used as a generic term to cover all mathematical or statistical models which measure chance or uncertainty without sharp numerical probabilities. Imprecise probability models are needed in inference problems where the relevant information is scarce, vague or conflicting and in decision problems where preferences may also be incomplete. The topics covered this year will include:

- Coherent lower previsions,
Enrique Miranda and **Gert de Cooman**,
- Predictive inference: from Bayesian inference to Imprecise Probability,
Jean-Marc Bernard,
- Imprecise immediate predictions,
Gert de Cooman,
- Independence concepts in Imprecise Probability, **Fabio Cozman**,
- A unified view of uncertainty theories,
Didier Dubois,
- Algorithms & approximation methods for Imprecise Probability, **Fabio Cozman**,
- What is risk? What is probability? Game-theoretic answers, **Glenn Shafer**.
- Credal Networks: Theory and Applications,
Cassio P. de Campos
- Robust Bayesian Analysis, **Fabrizio Ruggeri**

Information

More information and a pre-registration form here: <http://www.lirmm.fr/SIPTASchool08>