

SIXTH SCHOOL OF THE SOCIETY FOR IMPRECISE PROBABILITY: THEORIES AND APPLICATIONS (SIPTA)

July 21-25, 2014, Montpellier, France.

<http://www.lirmm.fr/SIPTAschool2014/>

PRESENTATION

The Society for Imprecise Probability: Theories and Applications (SIPTA) organizes the 6th edition of its school in Montpellier, France, during 21-25 July 2014, the local organizer is the Laboratoire d'Informatique de Robotique et de Microélectronique (LIRMM) of the university of Montpellier. The school venue is in the center of Montpellier, a historical French city on the Mediterranean coast.

The SIPTA school provides an introduction to imprecise probabilities for students and researchers. The basics and some advanced theoretical aspects will be covered. Of particular interest will be applications of imprecise probabilities. World experts in the different aspects of imprecise probabilities will teach about their area of expertise. An important part of the time is devoted to solving exercises and to the presentation of open application problems.

TOPICS AND 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**, Spain, and **Sebastien Destercke**, France)
- Other imprecise probability theories (**Ines Couso**, Spain, and **Didier Dubois**, France)
- Inference (**Erik Quaeghebeur**, The Netherlands, and **Gert de Cooman**, Belgium)
- Algorithms & approximation methods (**Cassio P. de Campos**, Switzerland, and **Alessandro Antonucci**, Switzerland)
- Graphical models and information retrieval (**Alessandro Antonucci**, Switzerland, and **Cassio P. de Campos**, Switzerland)
- Decision Theory (**Matthias Troffaes**, UK)
- Environmental risk (**Dominique Guyonnet**, France)
- Climate change impact (**Hermann Held**, Germany)

REGISTRATION FEES

It amounts to €650 and will include the participation to all the lectures, 2 coffee breaks per lecture day, accomodation, an excursion and the gala dinner.

INFORMATION

More information is available at the school website: <http://www.lirmm.fr/SIPTAschool2014/>

ORGANIZERS

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