

Conference Announcement: International Conference on Algorithmic Decision Theory (ADT)

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General Terms: Artificial Intelligence, Social choice, Multi-agent systems

Additional Key Words and Phrases: Knowledge extraction, Preferences, uncertainty

The ADT conference series aims at bringing together researchers and practitioners coming from different fields such as Decision Theory, Discrete Mathematics, Theoretical Computer Science and Artificial Intelligence in order to improve decision support in the presence of massive data bases, combinatorial structures, partial and/or uncertain information and distributed, possibly inter-operating decision makers. Such problems arise in several real-world decision making problems such as humanitarian logistics, epidemiology, risk assessment and management, e-government, electronic commerce, and the implementation of recommender systems.

The 1st International Conference on Algorithmic Decision Theory (ADT 2009) intends to be an interdisciplinary forum on:

- Uncertainty and Robustness in Decision Making
- Preferences in Reasoning and Decision
- Decision Theoretic Artificial Intelligence
- Learning and Knowledge Extraction

ADT 2009 will be held in Venice, Italy, on October 21-23, 2009. The program of the ADT 2009 conference will include invited talks, tutorials, oral presentations, and posters. The conference proceedings will be published by Springer Verlag in the Lecture Notes for Artificial Intelligence series. The invited talks are:

- Preference Elicitation with Subjective Features, Craig Boutilier, University of Toronto, Canada
- Decision Theory concepts and algorithms used in Energy Management and Transportations, Jean-Christophe Culioli, AirFrance-KLM, France
- An Operations Research Look at Voting, Mike Trick, Carnegie Mellon University, USA

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—Extracting Knowledge Using Decision Principles: Proper Scoring Rules Reconsidered from the Perspective of Modern Decision Theories, Peter Wakker, Erasmus University, The Netherlands

More information about ADT 2009, as well as registration and accomodation information, are available online on the ADT 2009 conference web site at the URL <http://www.adt2009.org>