



ECSQARU 2011

29 June - 1 July, 2011
Belfast, Northern Ireland, UK



Eleventh European Conference on

Symbolic and Quantitative Approaches to Reasoning with Uncertainty

Call for Papers

The biennial ECSQARU conferences are a major forum for advances in the theory and practice of reasoning under uncertainty. Contributors are expected to come both from researchers interested in advancing the technology and from practitioners who are using uncertainty techniques in applications. The scope of ECSQARU includes, but is not limited to, fundamental issues, representation, inference, learning, and decision making in qualitative and numeric paradigms.

Previous ECSQARU conferences have been held in Marseille (1991), Granada (1993), Fribourg (1995), Bonn (1997), London (1999), Toulouse (2001), Aalborg (2003), Barcelona (2005), Hammamet (2007), and Verona (2009). The Eleventh European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2011) will be held in Belfast, UK, on 29th June - 1st July, 2011.

We invite submissions of Conference Papers, PhD Forum Posters, and Software Demos for ECSQARU-2011. Possible topics include, but are not limited to:

- Algorithms for uncertain inference
- Argumentation systems
- Automated planning & acting
- Bayesian networks & Causal networks
- Belief functions
- Belief revision & merging
- Classification & Clustering
- Decision theory and graphs
- Default reasoning
- Description logics with uncertainty
- Empirical studies of algorithms
- Foundations of reasoning and decision making under uncertainty
- Fuzzy sets and Fuzzy Logic
- Game theoretic agents
- Implementation & applications of uncertain systems
- Imprecise probabilities
- Inconsistency handling
- Information fusion
- Learning for uncertainty formalisms
- Logics for reasoning under uncertainty
- Markov decision processes
- Probabilistic logics
- Possibility theory & Possibilistic logic
- Preferences
- Rough sets
- Semantic Web and uncertainty
- Uncertainty in databases
- Uncertainty & data integration
- Uncertainty & data mining

In accordance with the previous conferences, the proceedings of ECSQARU 2011 will be published in the Springer Lecture Notes in Artificial Intelligence series. Authors are requested to prepare their conference papers in the LNCS/LNAI format. Papers must not exceed **12 pages** and must be submitted as PDF electronically. Papers that are not in the stated format or that exceed the page limit will not be reviewed.

Submitted papers will be evaluated by peer reviews on the basis of originality, significance, technical soundness, and clarity of exposition. For PhD Forum Posters/Software Demos submissions, please refer to the Call for Papers at the conference website for details. Authors of accepted papers, posters/demos are expected to attend the conference to present their work.

This year, the best papers from the conference will be selected and presented at a special track of IJCAI 2011 conference, and revised versions be included in the IJCAI 2011 proceedings.

The conference invited speakers are: **Professor D Dubois, Professor D Gabbay, and Professor J Halpern.**

General chair:

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Important dates: (Extended)

Paper submission deadline: 10th Feb. 2011 (11:59PM, GMT-12)
Notification of acceptance: 25th March, 2011
Final version: 12th April, 2011
Demo/PhD Poster submission deadline: 2nd May, 2011
Early registration: 18th May, 2011
Conference: 29th June - 1st July, 2011