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3rd CALL FOR PAPERS

Fifteenth European Conference on Symbolic and Quantitative
Approaches to Reasoning with Uncertainty

ECSQARU 2019

September 18-20, 2019
Belgrade (Serbia)
http://www.mi.sanu.ac.rs/~ecsqaru2019/

Invited Speakers:
Fabio Gagliardi Cozman, University of Sao Paulo
Lluís Godo, Artificial Intelligence Research Institute (IIIA), CSIC
Francesca Toni, Imperial College London

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The biennial ECSQARU conferences constitute a major forum for advances in the theory and practice of reasoning under uncertainty, with a focus on bringing symbolic and quantitative aspects together. Contributions come from researchers interested in advancing the scientific knowledge and from practitioners using uncertainty techniques in real-world applications. The scope of the ECSQARU conferences encompasses fundamental issues, representation, inference, learning, and decision making in qualitative and numeric uncertainty paradigms.

Previous ECSQARU events have been held in Marseille (1991), Granada (1993), Fribourg (1995), Bonn (1997), London (1999), Toulouse (2001), Aalborg (2003), Barcelona (2005), Hammamet (2007), Verona (2009), Belfast (2011), Utrecht (2013), Compiègne (2015), and Lugano (2017).

::: SCOPE :::

For ECSQARU 2019 we invite submissions of original papers on topics which include but are not limited to:

- Algorithms for uncertain inference
- Applications of uncertain systems
- Argumentation systems
- Automated planning and acting under uncertainty
- Belief functions
- Belief change & merging
- Classification & clustering
- Decision theory & decision graphs
- Default reasoning

- Description logics with uncertainty
- Foundations of reasoning under uncertainty
- Fuzzy sets & fuzzy logic
- Game theory
- Hybrid reasoning
- Imprecise probabilities
- Inconsistency handling
- Information fusion - Learning for uncertainty formalisms
- Learning for uncertainty formalisms
- Logics for reasoning under uncertainty
- Markov decision processes
- Possibility theory & possibilistic logic
- Preferences
- Probabilistic graphical models
- Probabilistic logics
- Qualitative uncertainty models
- Rough sets
- Uncertainty & data

::: PROCEEDINGS :::

In accordance with the previous conferences, the proceedings of ECSQARU 2019 will be published in the Springer Lecture Notes in Artificial Intelligence series. In addition to that, extended versions of selected papers will be published in a special issue of the International Journal of Approximate Reasoning. A Best Paper Award supported by Springer will be granted at the conference.

::: SUBMISSIONS :::

Authors are requested to prepare their conference papers in the LNCS/LNAI format. Submitted papers must be original and not under review in a journal or another venue with formally published proceedings. They will be evaluated by peer reviews based on originality, significance, technical soundness, and clarity of exposition. Reviewing will be double-blind, so names of authors and affiliations must be omitted from the paper. Authors of accepted papers are expected to attend the conference to present their work, at least one author of each paper must register for the conference.

Submitted papers must be at most 10 pages (excluding references) in the Springer LNCS/LNAI format. Submissions will be through EasyChair:

https://easychair.org/conferences/?conf=ecsqaru2019

::: IMPORTANT DATES :::

May 3, 2019:   Abstract submission deadline
May 10, 2019:   Paper submission deadline
June 11, 2019:   Author notification
Sept 18-20, 2019:   ECSQARU 2019

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::: ORGANIZATION :::

Co-Chairs:
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Program Committee:
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Alessandro Antonucci, IDSIA, Switzerland
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Ines Couso, University of Oviedo, Spain
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Leon van der Torre, University of Luxembourg,
Ivan Varzinczak, University of Artois and CNRS, France
Jirka Vomlel, Czech Academy of Sciences, Czech Republic
Renata Wassermann, University of Sao Paulo, Brazil
Stefan Woltran, Vienna University of Technology, Austria
Eric Würbel, LSIS/INCA, France

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