

Second International Workshop on Theory and Applications of Formal Argumentation (TAFAs 2013)

<http://homepages.abdn.ac.uk/n.oren/pages/TAFAs-13/Welcome.html>

Call for Papers

The Second International Workshop on Theory and Applications of Formal Argumentation (TAFAs 2013) will be co-located with IJCAI 2013 in Beijing, and builds on the success of TAFAs 2011 (co-located with IJCAI 2011). The workshop is inspired by the recent rapid growth of interest in formal models of argumentation and their application in diverse sub-fields and domains of application of Artificial Intelligence. TAFAs 2013 aims to further foster uptake of argumentation as a viable AI paradigm with wide ranging application by providing a forum for further development of existing ideas and for the initiation of new and innovative collaborations.

TAFAs 2013 therefore encourages submission of papers on formal theoretical models of argumentation and their application in (sub-fields of) AI, and on the evaluation of models of argumentation, both theoretical (in terms of formal properties) and practical (in concretely developed applications). We particularly encourage work on theories and applications developed through inter-disciplinary collaborations. The workshop will also include a demonstration session.

Topics

The workshop solicits papers dealing with, but not limited to, the following topics:

- * Properties of formal models of argumentation
- * Instantiations of abstract argumentation frameworks
- * Relationships amongst different argumentation frameworks
- * Argumentation applied with other Artificial Intelligence techniques
- * Evaluation of formal models of argumentation
- * Validation and evaluation of applications of argumentation

Demonstration Track

A session will be organized for the demonstration of innovative working applications and tools. Systems of interest include (but are not limited to):

- Innovative applications in law, medicine, e-democracy, risk assessment, intelligent user interfaces, recommender systems
- Argumentation-based reasoners
- Systems for generating arguments from knowledge bases
- Systems for editing, presenting and judging arguments and counterarguments
- Collaborative and social systems based on argumentation
- Simulations of dialogue-based argumentation
- Argumentation-based agents and multi-agent systems
- Decision support systems based on argumentation

All those intending to demonstrate a system will be required to submit for review a two page extended abstract about the system. Accepted extended abstracts will be published in the conference proceedings.

Submission Guidelines

Submission to the workshop will take place via the EasyChair system, and will be anonymously reviewed. Contributors must submit papers (no longer than 15 pages) in the Springer Lecture Notes in Computer Science style. Formatting instructions, as well as the style and sample files can be found here:

<http://www.springer.de/comp/lncs/authors.html>

<https://www.easychair.org/conferences/?conf=tafa13>

Publications

As with the Tafa 2011 proceedings, accepted papers will be published in Springer LNAI following the workshop.

Important Dates

April 20, 2013: Submission Deadline

May 20, 2013: Notifications of Acceptance

May 30, 2013: Camera Ready Copy Due

August 2013: The workshop will run over one and an half days (final dates to be confirmed).

Organising Committee (Co-chairs)

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Nir Oren, University of Aberdeen, UK

Simon Parsons, City University of New York, USA
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