



Call For Contributions

1st International Workshop on STRATEGIC REASONING (SR 2013)

March 16-17, 2013, Rome, Italy

<http://www.strategicreasoning.net>

Important Dates

November 1st, 2012: Submission opening
December 21st, 2012: Abstract submission
December 27th, 2012: Contribution submission
January 23rd, 2013: Acceptance notification
February 8th, 2013: Camera-ready version
March 16th-17th, 2013: SR 2013 workshop

Invited Speakers

Krishnendu Chatterjee, IST Austria
Alessio R. Lomuscio, Imperial College London
Jean-Francois Raskin, Université Libre de Bruxelles
Michael Wooldridge, University of Oxford

Program Co-Chairs

Fabio Mogavero, Università di Napoli Federico II
Aniello Murano, Università di Napoli Federico II
Moshe Y. Vardi, Rice University

Program Committee

Thomas Ågotnes, University of Bergen
Dietmar Berwanger, CNRS de Cachan
Valenting Goranko, Technical University of Denmark
Joseph Y. Halpern, Cornell University
Wojtek Jamroga, University of Luxembourg
Orna Kupferman, Hebrew University
Nicolas Markey, CNRS de Cachan
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Aniello Murano, Università di Napoli Federico II
Ramaswamy Ramanujam, IMS Chennai
Wolfgang Thomas, RWTH Aachen
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Organizing Committee

Fabio Mogavero, Università di Napoli Federico II
Aniello Murano, Università di Napoli Federico II
Giuseppe Perelli, Università di Napoli Federico II
Loredana Sorrentino, Università di Napoli Federico II

Sponsorship

SR 2013 is partially supported by ExCAPE - an NSF Expeditions project in Computer Augmented Program Engineering.

Objective

Strategic reasoning is one of the most active research area in multi-agent system domain. The literature in this field is extensive and provides a plethora of logics for modeling strategic ability. Theoretical results are now being used in many exciting domains, including software tools for information system security, robot teams with sophisticated adaptive strategies, and automatic players capable of beating expert human adversary, just to cite a few. All these examples share the challenge of developing novel theories and tools for agent strategies that take into account the likely behavior of adversaries.

The SR international workshop aims to bring together researchers working on different aspects of strategic reasoning in computer science, both from a theoretical and a practical point of view.

List of Topics

The topics covered by the workshop include, but are not limited to, the following: logics for reasoning about strategic abilities; logics for multi-agent mechanism design, verification, and synthesis; logical foundations of decision theory for multi-agent systems; strategic reasoning in formal verification; automata theory for strategy synthesis; strategic reasoning under perfect and imperfect information; applications and tools for cooperative and adversarial reasoning; robust planning and optimization in multi-agent systems; risk and uncertainty in multi-agent systems; quantitative aspects in strategic reasonings.

Co-Located Event

SR 2013 is a satellite workshop of ETAPS 2013, which will be held in Rome, Italy, on March 16th-24th, 2013.

Contribution Submission

Submitted contributions should not exceed five pages using the EPTCS format. If necessary, the work may be supplemented with a clearly marked appendix, which will be consulted at the discretion of the program committee. Submissions must be in PDF format and will be handled via EasyChair.

Two types of submission are invited:

- contributions reporting on novel research;
- expository contributions reporting on published work.

Each submission should be clearly identified as belonging to one category or the other. In both categories, strong preference will be given to contributions whose topic is of interest to an interdisciplinary audience and all contributions should be written so that they are accessible to such an audience.

Novel research abstracts will be held to the usual high standards of novel research publications. In particular, they should (1) contain enough information to enable the program committee to identify the main contribution of the work, (2) explain the significance of the work, its novelty, and its practical or theoretical implications, and (3) include comparisons with and references to relevant literature.

Expository abstracts, which will be held to similarly high standards, may survey an area or report on a more specific previously published work.

Submissions should make clear the relevance to the strategic reasoning audience.

Contributions accepted for presentation (in both categories) will be collected as an EPTCS volume. Submissions from PC members are also allowed. Note that, as we accept short contributions, extended versions of the accepted works could be also submitted elsewhere.

Proceedings

The workshop proceedings will be published by Electronic Proceedings in Theoretical Computer Science (EPTCS). A special issue of a major international journal to publish an extended and revised version of the best workshop contributions is also under consideration.