

Introduction

The Autonomous Agents and MultiAgent Systems (AAMAS) conference series brings together researchers from around the world to share the latest advances in the field. It provides a high-profile and high-quality forum for research in the theory and practice of autonomous agents and multiagent systems. AAMAS 2002, the first of the series, was held in Bologna, followed by Melbourne (2003), New York (2004), Utrecht (2005), Hakodate (2006), Honolulu (2007), Estoril (2008), Budapest (2009), Toronto (2010), Taipei (2011), and Valencia (2012). You are now about to enter the proceedings of AAMAS 2013, held in Saint Paul, Minnesota, in May 2013.

In addition to the general track for the AAMAS 2013 conference, submissions were invited to four special tracks: robotics, virtual agents, innovative applications, and (new this year) a special challenges and visions track. The aims of these special tracks were to give researchers from these areas a strong focus, to provide a forum for discussion and debate within the encompassing structure of AAMAS, and to ensure that the impact of both theoretical contributions and innovative applications were recognized. The tracks were chaired by leaders in the corresponding fields: Daniele Nardi and Monica Nicolescu for the robotics track, Stefan Kopp and Catherine Pelachaud for the virtual agents track, Bo An and John Thangarajah for the innovative applications track, and Jeff Rosenschein for the challenges and visions track. The special track chairs provided critical input to selection of Program Committee (PC) and Senior Program Committee (SPC) members, and to the reviewer allocation and the review process itself.

Both full paper and extended abstract submissions were solicited for AAMAS 2013. The papers were selected by means of a thorough review and discussion process which included an opportunity for authors to respond to reviewer comments, a discussion phase between SPC members and (track/PC) chairs, after which the program chairs made the final decisions. In the general track, 13 papers were withdrawn that were accepted as extended abstracts. No other papers were withdrawn after notification.

The statistics on paper submission and acceptance for the different tracks are as follows:

track name	submissions	full papers accepted	ext. abstracts accepted
- general:	434	104	81
- virtual agents:	46	9	17
- robotics:	49	14	12
- innovative applications:	47	7	10
- challenges and visions:	23	6	0
- totals:	599	140 (23%)	120 (20%)

Each full paper was allocated 8 pages in the proceedings, challenges and visions papers were allocated 4 pages, and extended abstracts 2 pages. Oral presentations were allocated 20 minutes in the program. Both full papers and extended abstracts were presented as posters during the conference.

Of the submissions, 383 (64%) were indicated as being student papers, which indicates that AAMAS continues to be a nurturing environment for students. Submissions were assigned keywords, each of which was classified under one of 15 top-level topics (e.g., “Agent Cooperation”). Representation of top-level topics (measured by first keyword) was broad, with top

counts in the areas of Economic Paradigms (201 submissions), Agent Cooperation (137), Agent Reasoning (111), Learning and Adaptation (100), and Robotics (94).

We thank the PC and SPC members of AAMAS 2013 as well as the auxiliary reviewers for their thoughtful reviews and extensive discussions. We thank the track chairs for making the special tracks a success. We thank Tibor Bosse and Lisa Tolles for putting together the proceedings. The program represents the intellectual motivation for researchers to come together at the conference, but the success of the event is dependent on the many other elements that make up the week — especially the tutorials, workshops, and doctoral consortium. We thank all members of the Conference Organizing Committee for their dedication, enthusiasm, and attention to detail, and wish to particularly thank the local organization for hosting the event. We also thank Dave Shield for his patience and support regarding Confmaster during every stage between the submission process and the actual AAMAS 2013 event.

Finally, we would like to thank the Program Committee and Senior Program Committee members for their work, and the authors for submitting their work to AAMAS.

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AAMAS 2013 Program Co-Chairs

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AAMAS 2013 General Co-Chairs