

# 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), Valencia (2012), and Saint Paul (2013). This volume constitutes the proceedings of AAMAS 2014, the thirteenth conference in the series, held in Paris in May 2014.

In line with previous editions, AAMAS 2014 attracted submissions for a general track and four special tracks: robotics, virtual agents, innovative applications, and a challenges and visions track. The special tracks were chaired by leaders in their corresponding fields: Noa Agmon and Luiz Chaimowicz chaired the robotics track, Elisabeth Andre and Sarit Kraus the virtual agents track, Tom Holvoet and Rajiv Maheswaran the innovative applications track, and Munindar Singh the challenges and visions track. The special track chairs worked with Program Committee Members (PC), Senior Program Committee (SPC) members, and the Program Chairs to select the papers submitted to the special tracks.

Full paper (8 pages), challenges and vision (4 pages), and extended abstract (2 pages) submissions were solicited for AAMAS 2014. The papers were selected by means of a thorough review and discussion process, which included an opportunity for authors to respond to reviewer comments. All SPC members followed and contributed to the technical discussions on the papers they were overseeing and participated in a conference call with the program chairs, where each paper in their allocation was discussed. In addition to this, the special track chairs held conference calls with the program chairs to further discuss the papers in the special tracks.

AAMAS 2014 attracted a record-breaking number of submissions, summarized by their high level keywords as follows

Primary Keyword	submissions	full papers accepted	ext. abstracts accepted
Communication	7	1	0
Cooperation	110	24	29
Reasoning	63	19	10
Societies	45	9	9
Theories and Models	17	7	4
Architectures	3	0	0
Simulation	52	5	12
System development	28	5	5
Agreement technologies	37	6	10
Economic paradigms	142	45	31
Humans and agents	37	11	10
Innovative applications	41	6	11
Learning and adaptation	44	9	11
Robotics	30	9	5
Systems and organizations	14	1	4
Verification and Validation	14	5	2
Virtual Agents	25	7	6
<b>Totals:</b>	<b>709</b>	<b>169</b> <b>(23%)</b>	<b>159</b> <b>(22%)</b>

Full papers were presented orally in 20 minute slots; all full papers and extended abstracts were presented as posters during the conference.

Out of the 709 submissions, 425 (60%) had a student as the primary author, 86 of these were accepted as full papers (12%), and a further 109 (15%) were accepted as extended abstracts.

We would like to thank the authors in our and nearby communities for submitting a large number of top quality papers, the PC and SPC members and area chairs for their dedication in reviewing the submissions and for engaging in all the technical discussions held during the reviewing process. We are indebted to Dave Shields for assisting us with Confmaster throughout the process. We also thank Roger Mailler for arranging the conference proceedings and Amal El Fallah Seghrouchni and all the members of the local committee for organizing the venue, the web site of the conference, as well as the social program.

**Alessio Lomuscio and Paul Scerri**

*AAMAS 2014 Program Co-Chairs*

**Ana Bazzan and Michael Huhns**

*AAMAS 2014 General Co-Chairs*