

Welcome Message from the Chairs

Welcome to AAMAS-2025, the 24th edition of the International Conference on Autonomous Agents and Multiagent Systems!

AAMAS is the largest and most influential conference in the area of agents and multiagent systems, bringing together researchers and practitioners in all areas of agent technology and providing an internationally renowned high-profile forum for publishing and learning about the latest developments in the field. AAMAS is the flagship conference of the non-profit International Foundation for Autonomous Agents and Multiagent Systems (IFAAMAS).

We are happy that the 2025 edition of AAMAS will be coming to Detroit, MI. Previous editions were held in Bologna (2002), Melbourne (2003), New York (2004), Utrecht (2005), Hakodate (2006), Honolulu (2007), Estoril (2008), Budapest (2009), Toronto (2010), Taipei (2011), Valencia (2012), Saint Paul (2013), Paris (2014), Istanbul (2015), Singapore (2016), São Paulo (2017), Stockholm (2018), Montréal (2019), Auckland/online (2020), London/online (2021), Auckland/online (2022), London (2023), and Auckland (2024).

The main track of the conference includes peer-reviewed technical papers describing significant and original research on all aspects of the theory and practice of autonomous agents and multiagent systems, divided into the following areas of interest:

- Learning and Adaptation (LEARN)
- Game Theory and Economic Paradigms (GTEP)
- Coordination, Organizations, Institutions, Norms, and Ethics (COINE)
- Search, Optimization, Planning, and Scheduling (SOPS)
- Representation, Perception, and Reasoning (RPR)
- Engineering and Analysis of Multiagent Systems (EMAS)
- Modeling and Simulation of Societies (SIM)
- Human-Agent Interaction (HAI)
- Robotics and Control (ROBOT)
- Innovative Applications (IA)

As in previous years, we worked with a three-tier program committee, consisting of 29 area chairs, 147 senior program committee members, and over 600 regular program committee members. Their work was supported by a substantial number of auxiliary reviewers. When composing the committee, we followed the tradition of AAMAS of not having anyone serve in a senior programme committee or area chair role for more than two years in a row, and we were pleased to see that many senior colleagues accepted our invitation to serve as regular programme committee members.

For the main track, we received a total of 1361 abstract submissions. Some didn't materialize while a number of others were desk-rejected (mostly due to anonymity violations and similar infringements of the rules laid down in the Call for Papers). The program committee then reviewed the remaining 1021 submissions. Almost all submissions received at least three reviews, as well as a meta-review summarizing the assessment of the program committee. Authors had the opportunity to respond to initial versions of their reviews during a rebuttal phase, and the rebuttal phase additionally gave the authors and reviewers an opportunity to engage in further discussion.

The program committee accepted 250 submissions as full papers and a further 158 as extended abstracts, resulting in an acceptance rate of 24.5% for full papers and an overall acceptance rate of around 40%. Most of these contributions are included in this volume of proceedings (excluding papers that were later withdrawn by their authors). The submission numbers (N), acceptance rates for full papers (FP), and overall acceptance rates (FP+EA) per area of interest are as follows:¹

	N	FP	FP+EA
LEARN	278	22%	44%
GTEP	208	35%	52%
COINE	54	17%	30%
SOPS	82	32%	46%
RPR	84	35%	43%
EMAS	61	21%	41%
SIM	50	16%	28%
HAI	57	23%	33%
ROBOT	47	21%	36%
IA	40	20%	32%

In addition to the main track, the conference has four special tracks—the Blue Sky Ideas track, the JAAMAS track, AAAI track, and the Demonstration track, as well as a Doctoral Consortium.

The focus of the Blue Sky Ideas track, which this year is chaired by Nisarg Shah and Paolo Turrini, is on visionary ideas, long-term challenges, new research opportunities, and controversial debate.

The JAAMAS track, chaired by Christopher Amato and Matthijs Spaan, offers authors of papers recently published in the *Journal of Autonomous Agents and Multiagent Systems* (JAAMAS) that have not previously appeared as full papers in an archival conference the opportunity to present their work at AAMAS.

The AAAI track provided authors of high quality papers related to AAMAS topics, that didn't make it into the AAAI 2025 conference, a fast track for reviewing at AAMAS. This track was chaired by Maria Gini.

The Demonstration and Competitions track, chaired by Gabriel de Oliveira Ramos and Zita Vale, allows participants from both academia and industry to showcase their latest developments in agent-based and robotic systems.

Finally, the Doctoral Consortium, chaired by Reshef Meir and Roxana Rădulescu, provides doctoral candidates with an opportunity to receive feedback on their research, to interact closely with senior figures in their own area of specialization, and to broaden their professional network.

The accepted contributions for all of these tracks are included in these proceedings as well: 12 accepted papers out of 51 submissions to the Blue Sky Ideas track; extended abstracts of 9 recent papers published in JAAMAS; 10 papers accepted out of 27 submissions in the AAAI track; 36 accepted summaries out of 24 submissions to the Demonstration track; and 30 accepted summaries to the Doctoral Consortium.

¹These are approximate, as at the time of this analysis a number of papers had already been withdrawn by the authors during or after the review cycle.

The first two days of the conference, May 19-20, 2025, will consist of a variety of satellite workshops, tutorials, and the Doctoral Consortium.

The main conference runs from May 19-23, 2025. During this time the authors of contributions to the main track, the Blue Sky Ideas track, the JAAMAS track, and the Demonstration track will present their work. We furthermore are looking forward to a panel session on “Cooperative AI” as well as keynote addresses by Rada Mihalcea, Jeffrey Rosenschein, and Virginia Dignum, as well as by this year’s recipient of the ACM/SIGAI Autonomous Agents Research Award, Shlomo Zilberstein, and the presentation by the winner of the 2024 Victor Lesser Dissertation Award, Jannik Peters.

The conference will also feature a social event, a series of informal discussion sessions organized around specific topics, and the annual IFAAMAS Community Meeting. Let us conclude these introductory words with a heartfelt expression of gratitude to all those who played a role in the success of this conference. We extend

our thanks to all those who submitted their work for review, as well as those who will present their work at the conference. A special acknowledgment is owed to the dedicated members of the program committee, the additional reviewers, the organizers of the satellite workshops, and the tutorial presenters. We also want to express our appreciation to the organizing committee, for their efforts to bring AAMAS to Detroit. Lastly, we extend our sincere thanks to all the sponsors of the conference for their contribution to the success of AAMAS.

We wish you a great conference and are looking forward to meeting everyone in Detroit!

Yevgeniy Vorobeychik
AAMAS-2025 Program Chair
Ann Nowé & Sanmay Das
AAMAS-2025 General Chairs