# Call For Papers

## The 23rd European Conference on Multi-Agent Systems

**September 21-25, 2026**

**Malmö, Sweden**

## About

The 23rd European Conference on Multi-Agent Systems (EUMAS 2026) will be organized on September 21-25, 2026 by Malmö University.

**EUMAS 2026** is an EURAMAS designated event which follows the tradition of previous editions (Oxford 2003, Barcelona 2004, Brussels 2005, Lisbon 2006, Hammamet 2007, Bath 2008, Agia Napa 2009, Paris 2010, Maastricht 2011, Dublin 2012, Toulouse 2013, Prague 2014, Athens 2015, Valencia 2016, Evry 2017, Bergen 2018, Thessaloniki 2020, Israel (online) 2021, Düsseldorf 2022, Naples 2023, Dublin 2024, Bucharest 2025), and aims to encourage and support activity in the research and development of multi-agent systems, in academic and industrial effort.

The conference aspires to be the primary European forum for researchers interested in the **theory and practice of autonomous agents and multi-agent systems**.

EUMAS enables researchers to meet, present challenges, preliminary and mature research results in an open environment.

## I. Submissions

EUMAS 2026 welcomes original, unpublished papers including improved versions of extended abstracts or (revised) rejected papers from AAMAS, AAAI and IJCAI-ECAI 2026. The submission should describe work that has not been previously published, accepted for publication, nor is currently under review by another conference or journal.

All submissions will be peer-reviewed in a single blind fashion. Submission length depends upon the track that you submit to. Additional pages may be used for references and, if needed, a clearly marked appendix. It should be formatted according to Springer's LNCS format. For templates and instructions for authors, see Conference proceedings guidelines. Authors must submit their papers through the EUMAS 2026 submission site as a single PDF file.

This year, EUMAS is accepting submissions across the following three tracks:

### 1) Main Track (15 pages + references)

Topics of interest include, but are not limited to

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| **Engineering Multi Agent Systems** | | | |
| Agent Architectures | Agent Programming Languages | Agent Development Methodologies and Tools | Agent-oriented Software Engineering |
| Action and Planning | Biologically inspired approaches | Semantic Web Agents | Socio-technical Systems |
| **Coordination, Organizations, Institutions, Norms and Ethics** | | | |
| Agent Organizations and Institutions | Communication, Cooperation, and Coordination | Collective Intentionality | Trust and Reputation |
| Negotiation | Computational Social Choice | Ethical behavior of multi-agent systems | Electronic Commerce |
| Argumentation | Applications of Multi-agent Systems | Automated negotiation | Economic Models |
| Game-Theoretic Methods | Self-organization | Voting and Judgment Aggregation Models | Theories of Agency |
| Emergent Behaviour | | | |
| **Multi-Agent Based Simulation** | | | |
| Agent-Based Simulations and Modeling | Agents and Complex Systems | Social Networks | |
| **Knowledge Representation, Reasoning and Verification for MAS** | | | |
| Logics for Multi-Agent Systems | Logics for Strategic Reasoning | Verification | Formal Modelling |
| **Learning in Multi-Agent Systems** | | | |
| Adaptation and Learning | Cognitive Models | Deep Reinforcement Learning in Multi-Agent Domains | Use of Machine Learning in Agents and Multi-Agent Systems |
| **Explainable MAS** | | | |
| Multi-agent architectures for XAI | Explainable planning | Explainable negotiation protocols and strategies | Explainable user/agent profiling |

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|---|---|---|---|
| **MAS for robotic systems and control** | | | |
| Machine Learning for Multi-Agent Systems | Multi-Robot Systems | Collective and Swarm Intelligence | |
| **Human-Centric MAS** | | | |
| Human-Agent Interaction | Virtual Agents | LLM powered AI Agents | |

### 2) Agent Toolkits (15 pages + references)

This track aims to provide a forum for researchers that are involved in developing agent / MAS toolkits and platforms, or that are using them for the development of applications, to exchange ideas, make proposals, suggest challenges, reports interesting use cases and so on - any aspect that could be of interest in the engineering and using Agent Toolkits.

### 3) Demonstrators (5 pages + references)

This track aims to provide opportunities for participants from academia and industry to present their latest developments in agent-based systems. Demonstrations of interest include both applications of multi-agent systems and tools that support developers in the specification, design, implementation and testing of agent systems.

## II. Proceedings

EUMAS 2026 features formal proceedings published as part of the Lecture Notes in Computer Science (LNCS) series of Springer. The best paper will be invited for fast-track publication of an extended version in the Autonomous Agents and Multi-Agent Systems Journal (JAAMAS).

## III. Important dates

- Paper Submission Deadline: 18 May 2026 (AoE, UTC-12)
- Author Notification: 30 June 2026 (AoE, UTC-12)
- Camera Ready Papers: 19 July 2026 (AoE, UTC-12)
- EUMAS Conference: 21-25 September 2026

# Venue

The EUMAS 2026 conference is scheduled to be held in Malmö, the third-largest city in Sweden. Malmö was one of the earliest and most-industrialised in Scandinavia, and the birthplace of several of Scandinavia's largest industrial groups. Malmö contains many historic buildings and parks, and is a commercial centre for the western part of Scania.

The venue of EUMAS 2026 is the Faculty of Technology and Society, Malmö University.

## Committees (eumas2026@mau.se)

### Organizing Committee

- Fabian Lorig (Malmö University)
- Paul Davidsson (Malmö University)
- Franziska Klügl (Örebro University)

### Program Chairs

- Juan Carlos Nieves Sanchez (Umeå University)
- Valérie Camps (Université de Toulouse)
- Elsy Kaddoum (Université de Toulouse II)

### Local Chairs

- Johan Holmgren (Malmö University)
- Gion Koch Svedberg (Malmö University)
- Nosheen Abid (Malmö University)

### Program Committee

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