

8th International Workshop on EXplainable, Trustworthy, and Responsible AI and Multi-Agent Systems (EXTRAAMAS 2026) Paphos, CY 25–26 May 2026



In conjunction with AAMAS 2026, Paphos, 25-29 May 2026

The International Workshop on EXplainable, Trustworthy, and Responsible AI and Multi-Agent Systems (EXTRAAMAS) has run since 2019 and has become a well-established forum at the intersection of Explainable AI (XAI), Agentic AI and Multi-Agent Systems (MAS). EXTRAAMAS focuses on explainability for agentic systems operating in dynamic, multi-stakeholder environments—where agents plan, negotiate, coordinate, and reason about norms. The workshop emphasizes the shift beyond static, post-hoc explanations toward interactive, context-aware, and evaluation-driven approaches, supporting systems that can explain-to-decide rather than merely explain-after. In its 8th edition, EXTRAAMAS 2026 continues to strengthen both foundational and applied research through four tracks spanning neuro-symbolic and hybrid approaches, explainable negotiation and conflict resolution, interactive explainability and LLM-based agentic systems, and legal/ethical perspectives.

EXTRAAMAS Tracks

- **Track 1: Foundations of Explainable and Agentic AI (Symbolic, Sub-symbolic, and Hybrid Approaches)**
 - This track focuses on foundational approaches to explainability for agentic AI systems, spanning symbolic, sub-symbolic, and hybrid (neuro-symbolic) models. It addresses how explanations can be embedded within the reasoning cycle of autonomous agents, supporting planning, learning, coordination, and decision-making in complex environments.
- **Track 2: Explainable Interaction, Negotiation, and Collective Decision-Making in Multi-Agent Systems**
 - This track addresses explainability in interactive multi-agent settings, including negotiation, coordination, argumentation, and collective decision-making. As agents increasingly operate in open, human-facing, and multi-stakeholder environments, transparent and trustworthy interaction mechanisms become essential for understanding, trust, and effective collaboration.
- **Track 3: Interactive Explainability and Dialogue**
 - This track focuses on interactive and user-in-the-loop explainability, emphasizing dialogue, conversational interfaces, and adaptive interaction. It explores explainability challenges arising from LLM-based, tool-using, and hybrid agentic systems, including issues of reliability, faithfulness, and evaluation.
- **Track 4: Explainable, Trustworthy, and Governed AI: Legal, Ethical, and Societal Perspectives**
 - legal, ethical, and societal dimensions of explainable and trustworthy AI,
 - addressing governance, accountability, and compliance in autonomous and agent-based systems deployed in sensitive and regulated domains.

Important Dates and Submission Link

Important Dates	Submission Link
Paper submission: 01 March 2026 Notification of acceptance: 25/03/2026 Camera-ready submission: To be announced Workshop dates: 25–26 May 2026	https://easychair.org/conferences/?conf=extraamas2026

EXTRAAMAS Tracks

T1: Foundations of Explainable and Agentic AI - Explainable machine learning and neural networks - Symbolic knowledge representation, injection, and extraction - Neuro-symbolic and hybrid reasoning architectures - Causal and counterfactual explanation models - Surrogate models and abstraction techniques - Explainable planning and decision-making - Multi-agent architectures supporting explainability - Evaluation and benchmarking of foundational XAI methods	T3: Interactive Explainability and Dialogue - Explainable negotiation protocols and strategies - Interactive and conversational explanation systems - Explanatory dialogue and mixed-initiative interaction - Context modeling and user modeling for explainability - Prompt engineering and explanation-aware prompting - Explainability challenges in LLM-based and tool-using agents - Reliability, faithfulness, and hallucination mitigation
T2: Explainable Interaction, Negotiation, and Collective Decision-Making in Multi-Agent Systems - Explainable conflict resolution techniques/frameworks - Explainable negotiation protocols and strategies - Explainable recommendation systems - Trustworthy voting mechanisms - Argumentation for explaining the process itself - Argumentation for explaining and supporting the potential outcomes - User studies and assessment of the aforementioned approaches	T4: Explainable, Trustworthy, and Governed AI: Legal, Ethical, and Societal Perspectives - Explainability in AI & Law and legal reasoning systems - Compliance-by-design and regulatory frameworks (e.g., EU AI Act) - Fairness, bias mitigation, and transparency - Accountability, liability, and auditability of AI systems - Nudging, deception, and ethical design choices - Normative reasoning and machine ethics

Workshop Chairs

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Visit the workshop website for more details: <https://extraamas.ehealth.hevs.ch/>