Gmail PAUL totor <btotoritis@gmail.com>

The 3rd International Workshop on Causality, Agents and Large Models (CALM-26)

Yazan MUALLA <00000d017b225b13-dmarc-request@listserv.acm.org> Tue, Nov 25, 2025 at 2:38 AM
Reply-To: Yazan MUALLA <yazan.mualla@utbm.fr>
To: SIGAI-ANNOUNCE@listserv.acm.org

Please, accept our apologies in case of multiple copies of this CFP.

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The 3rd International Workshop on Causality, Agents and Large Models (CALM-26)
https://www.ciad-lab.fr/calm-26/

In conjunction with The 17th International Conference on Ambient Systems, Networks and Technologies
https://cs-conferences.acadiau.ca/ant-26/
April 14-16, 2026, Istanbul, Türkiye.

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Description:
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Causality, Agents and Large Models (CALM) represents three rapidly-growing fields within artificial intelligence research.
This workshop aims to establish methodological integration between these disciplines by investigating how causal reasoning, agentic AI, and explainable AI (XAI) techniques can enhance transparency, decision-making, and adaptation in multi-agent systems (MAS).
Agentic AI, which emphasizes autonomous goal-driven behavior and self-reflective reasoning in AI systems, introduces new paradigms for control, coordination, and accountability in intelligent agents.
The workshop will provide a forum for researchers to discuss theoretical foundations, practical applications, and future directions at the intersection of causal AI, agentic AI, XAI, Large Language Models (LLM), and MAS.

CALM Workshop goals:
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_Explore the role of causal reasoning and agentic AI in enhancing decision-making, coordination, and adaptation in multi-agent systems.
_Discuss technical challenges and opportunities for integrating causal AI, agentic AI techniques, and LLM into MAS frameworks.
_Develop methodologies and metrics to evaluate the explainability and autonomy of causal reasoning in agents and large models.
_Foster interdisciplinary collaboration between researchers in causal reasoning, XAI, agentic AI, LLM, and MAS.
_Examine how explanations support user trust, cognitive ergonomics, and effective human-agent collaboration.

_Identify promising directions for future research and development in this rapidly advancing research domain.

Topics:
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The main topics of the CALM-25 workshop are (but not restricted to):
_Theoretical foundations of causal reasoning in Multi-Agent Systems (MAS)
_Causal reasoning capabilities in Large Models (e.g., Large Language Models, LLMs)
_Theoretical and practical Agentic-AI for autonomous and reflective agents
_Explainable AI (XAI) with active inference techniques
_Integration of causal and agentic reasoning for adaptive multi-agent coordination
_Applications of XAI techniques in agent-based modeling and simulation
_Human-centered evaluation of causal explanations in MAS, LLMs, and agentic systems
_Causal inference in complex and dynamic multi-agent environments
_Mechanistic Interpretability of Causality in Large Language Models
_LLMs for coordination, cooperation, and communication among agents
_Challenges and opportunities for incorporating XAI and agentic principles into MAS frameworks
_Case studies and empirical evaluations of XAI approaches in agents
_Generative AI as preprocessing for MAS
_Exploring causality with deep generative models
_Digital twins and simulators for interpretable synthetic data generation
_Graph neural network causal learning
_Interpretable and ergonomically-grounded root cause analysis methods for agent decision-making
_Logic and argumentation-based approaches to causal reasoning
_Ethical and Responsible XAI and Agentic AI in LLM
_Human Factors in XAI and Agentic AI
_Adaptive and Personalized Explanations (Context-aware, and Human-centric)
_Multi-modal explanations and Cross-cultural ergonomics
_Ergonomic evaluation of explanation modalities (visual, textual, interactive)
_Explainability in human-agent teaming: Ergonomic principles for effective collaboration in mixed teams (humans + AI agents)

Submission guidelines:
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Submitted papers must be no longer than 6 pages including all figures, tables and references.
The submitted paper must be formatted according to the Guidelines of Procedia Computer Science, Elsevier.
Authors are required to write **The 3rd International Workshop on Causality, Agents and Large Models (CALM-26)** in the title section of the template, and not the name of the main conference.
Kindly refer to the Template in the CALM-26 website.

Submissions will be reviewed by 2-3 members of the program committee, who are experts in the field. The acceptance of the submitted papers will be based on scientific rigor, methodological soundness, contribution to causality and explainability in agents and large models, and originality.

Authors are requested to submit their papers electronically as PDF files via the EasyChair submission page:
https://easychair.org/my2/conference?conf=calm26

Proceedings
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All accepted papers will be scheduled for oral presentations.
At least one author of each accepted paper is required to register and attend the conference to present the work.
All accepted and registered papers will be published by Elsevier Science in the open-access Procedia Computer Science series on-line.
Procedia Computer Science is hosted by Elsevier and on Elsevier content platform ScienceDirect, and will be freely available worldwide.
All papers in Procedia will be indexed by Scopus and by Thomson Reuters' Conference Proceeding Citation Index, Scopus and Engineering Village (This includes EI Compendex),and DBLP.
The papers will contain linked references, XML versions and citable DOI numbers.

Chairs:
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-Dr. Yazan Mualla, Associate Professor, CIAD, University of Technology of Belfort-Montbeliard, France
yazan.mualla[at]utbm.fr
https://www.ciad-lab.fr/yazan_mualla
-Dr. Hui Zhao, Assistant Professor, (Tongji University, China).
huizhao[at]tongji.edu.cn
-Dr. Amro Najjar, Assistant Professor, (Luxembourg Institute of Science and Technology, Luxembourg).
amro.najjar[at]list.lu
-Dr. Syrine Haddad, PostDoc researcher, CIAD, University of Technology of Belfort-Montbeliard, France
syrine.haddad[at]utbm.fr

Advisory Board:
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-Prof. Dr. Stéphane Galland, Full professor, CIAD, University of Technology of Belfort-Montbeliard, France
stephane.galland[at]utbm.fr
https://www.ciad-lab.fr/stephane_galland/
-Prof. Dr. Abdeljalil Abbas-Turki, Full professor, CIAD, University of Technology of Belfort-Montbeliard, France
abdeljalil.abbas-turki[at]utbm.fr
https://www.ciad-lab.fr/abdeljalil_abbas-turki/

Important Dates
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Submission deadline: December 20th, 2025
Notification: January 20th, 2026
Final date for camera-ready: January 28th, 2026
Workshop: April 14-16, 2026

All deadlines are at the end of the day specified, anywhere on Earth (UTC-12).

Previous proceedings:
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CALM-24 (Springer)
https://link.springer.com/book/10.1007/978-3-031-89103-8
