

| About the Conference

SCOPE

The 22nd International Conference on Distributed Computing and Artificial Intelligence 2025 is an annual forum that will bring together ideas, projects and knowledge associated with distributed computing and artificial intelligence, and their application in different areas. This meeting will be held in University of Lille (France) within PAAMS'25, from 25th-27th June, 2025.

Nowadays, most computing systems, ranging from personal laptops/computers to cluster/grid/cloud computing systems, are capable of parallel and distributed computing. Distributed computing performs an increasingly important role in modern signal/data processing, information fusion and electronics engineering (e.g., electronic commerce, mobile communications and wireless devices). Particularly, applying artificial intelligence in distributed environments is becoming an element of high added value and economic potential. Research on Intelligent Distributed Systems has matured over the last decade and many effective applications are now being deployed. Artificial intelligence is changing our society. Its application in distributed environments,

📅 Important Dates

JUN 25 CONFERENCE DATE
June 25-27, 2025

such as the Internet, electronic commerce, mobile communications, wireless devices, distributed computing, is becoming more widespread, and is becoming an element of high added value and economic potential, in both industry and research. These technologies are changing constantly as a result of the large research and technical effort being undertaken in both universities and businesses. The exchange of ideas between scientists and technicians from both academic and business backgrounds is essential to facilitating the development of systems that meet the demands of today's society. Technology transfer in this field is still a challenge and for that reason this type of contributions will be given special consideration at this symposium.

info@dcai-conference.net

TOPICS

The topics of interest include, but are not limited to:

- Intelligent Environments
- Distributed Algorithms
- Distributed Databases
- Computer GRID
- Cloud Computing
- Edge Computing
- Fog Computing
- Multimedia and Distributed Animation Systems
- Distributed Operating Systems

Real Time Systems
E-commerce and Electronic Business
Distributed Applications ICTs: trade, medicine,
industry, the Internet, etc.
Implementation of AI Bioinformatics
Implementation of AI Biotechnology
Implementation of AI in the Development of Mobile
Devices
Distributed Architectures
Multiagent Systems
High-performance Distributed Systems
Languages, Compilers, Planning, Load Balancing
Mobile and Wireless Systems
Security in Computer Systems
Software Engineering and Formal Methods
Distributed Intelligent Information Systems
Robotics and Control
Internet of Things (IoT)
Industrial Internet of Things (IIoT)
Model Based Reasoning
Case Based Reasoning
Non-Monotonic Reasoning
Planning and Scheduling Tasks
Qualitative Reasoning
Reasoning Under Uncertainty
Temporal and Spatial Reasoning
Other Reasoning Models
Data Analysis and Big Data Techniques
Evolutionary Computation
Neural Networks
Reinforcement Learning
Other Learning Models
Applications of AI (TTIA)
Logic
Decision-Making Support System
Fintech or Financial Technology
Intelligent Interaction
Knowledge Management

Knowledge Representation

PLENARY SPEAKERS

Dirk Helbing, ETH ZurichSwiss (Switzerland)

Pascale Fung, Senior Director of AI Research, Meta-FAIRHong Kong

LIST OF SPECIAL SESSIONS IN DCAI 2025

AIMPM

Special Session on AI-driven methods for Multimodal Networks and Processes Modeling

GILL

Special Session on and for female technopreneurs and early career researchers in distributed computing and AI organised by the Gendered Innovation Living Labs (GILL) project

INNO4CFIS

Special Session on Revolutionising Carbon Farming by Nature-Based Business Models and Emerging Innovations in the field of artificial intelligence, satellite and green technologies

TECTONIC

Special Session on New perspectives and solutions in
Cultural Heritage

The call for special session papers is still open.

COMMITTEE

Program committee

Nasro Min Allah, Imam Abdulrahman Bin Faisal
University (KSA) (Saudi Arabia) Chair

Pawel Sitek, Kielce University of Technology (Poland)
Co-Chair

Mutsuo Sano, Osaka Institute of Technology (Japan)
Co-Chair

Sara Rodríguez, University of Salamanca (Spain) Co-
Chair

Special Sessions Chairs

Rashid Mehmood, King Abdulaziz University (Saudi
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Goreti Marreiros, ISEP/GECAD (Portugal)

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(Australia)

Tiancheng Li, Northwestern Polytechnical University
(China)

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Anne-Cécile Caron, University of Lille (France)

Antoine Nongaillard, University of Lille (France)

Jarod Vanderlynden, University of Lille (France)

Jules Bompard, University of Lille (France)

Erwan Martin, University of Lille (France)

CALL FOR SPECIAL SESSIONS

DCAI'25 Special Sessions will be a very useful tool in order to complement the regular program with new or emerging topics of particular interest in the field of Distributed systems and Artificial Intelligence. Special Sessions that emphasize on multi-disciplinary and transversal aspects, as well as cutting-edge topics are especially encouraged and welcome. At least one of the authors will be required to register and attend the symposium to present the paper in order to include the paper in the conference proceedings.

All papers accepted for publication in the Special Sessions will be published in the DCAI 2025 proceedings published by Springer in the Lecture Notes in Networks and Systems series.

At least one of the authors will be required to register and attend the symposium to present the paper in order to include the paper in the conference proceedings.

Prospective organizers of special sessions should submit proposals indicating:

Title of the proposed session.

Short biography of the organizer(s), with complete address for contact.

List of tentative papers (including titles, authors, and contact information of the corresponding author/s).

Special session organizers should also contact a sufficient number of experts who are able to review the papers submitted to their session, bearing in mind that at least two reviews per paper are required in order to make the final assessment. The organizer of the special session may be one of these experts, or he may propose an alternative referee.

One of the special sessions organizers will be invited to co-edit the proceedings of the conference.

Special Sessions proposals will be evaluated based on the timeliness of the topic, the qualifications of the organizers and the authors of the papers proposed in the sessions, and the balance of the topics across the technical areas represented in Artificial Intelligence.

The procedure for the submission of the final papers is the same for all contributions, and it will be made through the DCAI 2025 web section. The authors are asked to indicate the Special Session title to which their paper is submitted.

We hope this offer will catch your attention. Should you be interested in submitting such a proposal, please contact us (info@dcai-conference.net) with a proposal before 24th January, 2025.

DOCTORAL CONSORTIUM

The aim of the Doctoral Consortium is to provide a framework as part of which students can present their ongoing research work and meet other students and researchers and obtain feedback on lines of research for the future.

The Doctoral Consortium is intended for students who have a specific research proposal and some preliminary results, but who are still far from completing their dissertation.

All proposals submitted to the Doctoral Consortium will undergo a thorough reviewing process with the aim of

providing detailed and constructive feedback. The accepted submissions will be presented at the Doctoral Consortium and published in the conference proceedings.

PUBLICATION

Accepted papers will be included in DCAI Proceedings. At least one of the authors will be required to register and attend the symposium, where they will present the paper, this will allow for its inclusion in conference proceedings. All the accepted papers will be published by Lecture Notes in Networks and Systems series of Springer Verlag.

** Indexing: The books of this series are submitted to DBLP, INSPEC, Norwegian Register for Scientific Journals and Series, SCImago, SCOPUS, WTI Frankfurt eG, zbMATH, Google Scholar, Springerlink. **

IMPORTANT DATES

Deadline: 7th March, 2025

Special Session deadline: 14th March, 2025

Doctoral Consortium deadline: 21st March, 2025

Notification of acceptance: 25th April, 2025

Camera-Ready papers: 9th May, 2025

Conference Celebration: 25th-27th June, 2025

ORGANIZING COMMITTEE

University of Lille (France)

SCIENTIFIC ORGANIZERS

Osaka Institute of Technology (Japan)

Sichuan University (China)

Hiroshima University (Japan)

University of Granada (Spain)

Queensland University of Technology (Australia)

Northwestern Polytechnical University (China)

Vellore Institute of Technology University (India)

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