



International Conference on Machine Intelligence Theory and Applications (MiTA-2025)

16-27 May, 2025

Frankfurt, Germany · Naples, Italy · Dubai, United Arab Emirates

CALL FOR PAPERS



The Twelfth International Conference on Machine Intelligence Theory and Applications (MiTA) will be held in Frankfurt, Germany (16-19 May, 2025). Following the main conference, two specialized workshops will be organized, i.e. the first workshop (20-23 May, 2025) in Naples, Italy, in collaboration with the Università degli Studi di Napoli Federico II to strengthen European research networks, and the second workshop (24-27 May, 2025) in Dubai, partnering with the United Arab Emirates University to foster academic connections in the Middle East region.

MiTA2025 aims to provide a high-level international forum for innovative academics and industrial experts to present their recent advances in machine intelligence theory and applications. Through this multi-location format and strategic partnerships, the conference and workshops seek to enhance global academic exchange and cross-cultural collaboration. The program will feature plenary speeches by world-renowned scholars, regular sessions with broad coverage, and special sessions focusing on popular topics.

● TOPIC AREAS

- Artificial intelligence
- Algorithmic game theory and mechanism design
- Machine learning theory
- Machine learning algorithms
- Neural networks
- Connectionist theory
- Neurodynamic analysis
- Reinforcement learning and planning
- Autoencoders based on neural networks
- Convolutional neural network model
- Recurrent neural network model
- Generative models
- Cryptographic applications using artificial neural networks
- Database theory
- Computational complexity
- Fuzzy systems
- Fuzzy sets
- The calculus of fuzzy numbers
- Fuzzy clustering
- Fuzzy classification
- Fuzzy data analysis
- Fuzzy decision-making
- Fuzzy rule-based modeling
- Computer vision
- Multi-agent systems
- Natural language processing
- Information technology
- Image processing and multimedia technology
- Software engineering
- Mobile computing
- Distributed systems
- Recommendation system
- Evolutionary computation
- Theory of evolutionary computation
- Evolution of complex systems
- Hybrid evolutionary approaches
- GPU implementation of evolutionary computation and swarm intelligence algorithms
- Evolutionary transfer optimization
- Evolutionary multi/many-objective optimization
- Evolutionary constrained optimization
- Data-driven evolutionary computation
- Distributed evolutionary computation
- Large-scale optimization
- Evolutionary optimization in multi-agent systems
- Evolutionary optimization with data privacy
- Real-world applications of evolutionary computation
- Data structures design and analysis
- Parameterized complexity and exact algorithms
- Streaming, sublinear and near linear time algorithms
- Parallel and distributed algorithms
- Algorithm design techniques
- Formal languages and automata theory
- Cryptography
- Theory of security
- Network security

● SPECIAL SESSION

Proposals for Special Sessions within the technical scope of the conference are solicited. Special sessions, to be organized by internationally recognized experts, aim to bring together researchers in special focused topics. Papers submitted for special sessions are peer-reviewed with the same criteria used for the contributed papers. Researchers interested in organizing special sessions are invited to submit formal proposals to MiTA 2025. A special session proposal should include the session title, a brief description of the scope and motivation, names, contact information, and brief biographical information on the organizers.

● CONFERENCE COMMITTEE

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● IMPORTANT DATES

Special session proposals deadline: January 30, 2025
 Paper submission deadline: February 15, 2025
 Notification of acceptance: February 28, 2025
 Camera-ready copy and author registration: March 15, 2025

● CONTACT

For more information, please
 Visit: www.mita2025.com
 Contact: mita.conf100@gmail.com