

Second CALL FOR PAPERS

AIMSA 2024

The 19th International Conference on Artificial Intelligence: Methodology, Systems, Applications

Golden Sands resort, Varna, Bulgaria, 18-20th September, 2024

www.aimsaconference.org

Towards efficient and sustainable AI methods, systems and applications

Initiated in 1984, the biennial Artificial Intelligence: Methodology, Systems, Applications (AIMSA) conference is a premier single-track forum for exchanging information and research results on theory and principles of artificial intelligence (AI) along with real-world applications of intelligent systems technology. The conference traditionally brings together researchers and practitioners in all areas of AI from both the academia and industry to meet and share their ideas and experiences and learn about the recent trends and developments in contemporary AI.

The 19th edition of AIMSA will be held in the beautiful Golden Sands resort near Varna, Bulgaria. With its mild climate and excellent opportunities for outdoor activities, water sports and gastronomy, Golden Sands promise to be a wonderful venue for a memorable conference.

TOPICS

The conference is looking for submissions offering innovative methods, systems and applications that demonstrate efficiency and sustainability for the future of AI. *Efficiency* can be demonstrated against current and traditional methods, systems and applications. *Sustainability* relates to the required resources, computational power, human wellbeing, positive impact on science and the society.

The conference will have three streams, namely:

- Innovative methods for *efficient* and *sustainable* AI
- Systems for the development and the implementations of *efficient* and *sustainable* AI
- Novel *efficient* and *sustainable* AI applications

All submissions will be subject to a single-blind academic peer review by at least three members of the program committee. Selection criteria include accuracy and originality of ideas, clarity and significance of results, and quality of presentation.

The author(s) of the best paper (which will be selected based on the votes of the attendees) of the conference will receive the Best Paper Award during the conference.

PROCEEDINGS

The AIMSA 2024 Proceedings will be published by Springer Nature in their Lecture Notes in Artificial Intelligence subline of the Lecture Notes in Computer Science series.

PROGRAMME COMMITTEE CHAIR

Nikola Kasabov

Auckland University of Technology, Auckland, New Zealand

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Visiting professor in:

Institute of Information and Communication Technologies, Bulgarian Academy of Sciences

Ulster University, Derry, United Kingdom

Dalian University, China

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Veselka Boeva	Blekinge Institute of Technology - Sweden
Vincenzo Piuri	Università degli Studi di Milano - Italy
Yancho Todorov	VTT Technical Research Centre of Finland - Finland

LANGUAGE

The official language of the conference is English

KEYNOTE SPEAKERS

Plamen Angelov (Lancaster Intelligent, Robotic and Autonomous systems (LIRA) Centre, Lancaster University) - *Bringing Deep Learning and Reasoning Closer*

Zeng-Guang Hou (State Key Lab of Management and Control for Complex Systems, Institute of Automation, Chinese Academy of Sciences) - *AI and BCI Based Interaction Control Methods for Robotics*

Giacomo Indiveri (University of Zurich and ETH Zurich, Switzerland) - *Neuromorphic Intelligence: spiking neural network and on-line learning circuits for brain-inspired technologies*

IMPORTANT DATES

Submission deadline:	May 24, 2024
Notification of acceptance:	July 1, 2024
Deadline for camera-ready:	July 15, 2024
Conference:	September 18-20 2024

LOCATION

Golden Sands is a modern resort with traditions, and history going back 50 years. A unique blend of lovely nature park, warm sea, and fine golden sand! Golden Sands is the winner of a "Blue Flag" - a prestigious international award for environmentally clean resorts.

LOCAL ORGANIZING COMMITTEE CHAIR

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ORGANISERS

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