

FIRST CALL FOR PAPERS

AIMSA 2018

The 18th International Conference on Artificial Intelligence: Methodology, Systems, Applications

- AI and Deep Learning -

Golden Sands resort, Varna, Bulgaria, 12-14th September, 2018

<http://www.aimsaconference.org/>

Initiated in 1984, the biennial Artificial Intelligence: Methodology, Systems, Applications (AIMSA) conference is a premier forum for exchanging information and research results on AI theory and principles along with applications of intelligent system technology. The conference traditionally brings together academic and industrial researchers from all areas of AI to share their ideas and experiences and learn about the research in contemporary AI. As its name indicates, the conference is dedicated to Artificial Intelligence in its entirety. However, for AIMSAs 2018, we would like to put an emphasis on Deep Learning (DL) as it has been used successfully in many applications, and is considered one of the most cutting-edge machine learning and AI techniques at the moment. Of course, the focus on DL does not preclude submission of papers on other interesting topics and approaches in AI.

The 18th edition of AIMSAs will be held in the beautiful Varna area, Bulgaria. With excellent opportunities for outdoor activities, water sports and gastronomy, Varna promises to be a wonderful venue for a memorable conference.

TOPICS

The conference welcomes submissions of original, high quality papers in all areas of Artificial Intelligence, including (but not limited to) traditional topics such as search, machine learning, planning, knowledge representation, reasoning, natural language processing, robotics and perception, multiagent systems, etc.

We especially welcome papers on end-to-end learning; multi-task learning; cross- and multi-modal learning; combinations of DL and knowledge-based approaches; transparency, explainability, stability and provability of DL; DL meta-learning in AI etc., as well as papers that bring useful computational technologies from other areas of computer science into AI.

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

For each accepted paper, at least one author is required to attend the conference to present the paper.

The best paper of the conference will receive the Best Paper Award during the conference.

IMPORTANT DATES

Submission deadline: May 20, 2018
Notification of acceptance: June 17, 2018
Deadline for camera-ready: July 1, 2018
Conference: September 12-14, 2018

PROCEEDINGS

Traditionally, the proceedings of AIMSAs conference series are published by Springer in their Lecture Notes in Artificial Intelligence subline of the Lecture Notes in Computer Science series.

LANGUAGE

The official language of the conference is English.

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.

PROGRAMME COMMITTEE CHAIR

Josef van Genabith
The German Research Center for Artificial Intelligence DFKI
Saarland University, Germany,
E-mail: Josef.van_Genabith@dfki.de
Website: <http://www.dfki.de/web/research/mlt>

LOCAL ORGANIZING COMMITTEE CHAIR

Gennady Agre
Institute of Information and Communication Technologies
Bulgarian Academy of Sciences
Acad. G. Bonchev 2, 1113 Sofia, Bulgaria
E-mail: agre@iinf.bas.bg
Phone: +359 28700118
Fax: +359 28707273

ORGANISERS

Bulgarian Artificial Intelligence Association
Institute of Information and Communication Technologies at the Bulgarian Academy of Sciences (IICT – BAS)