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

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 AIMSA 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 AIMSA 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

AIMSA 2018 Proceedings will be by Springer in their Lecture Notes in Artificial Intelligence subline of the Lecture Notes in Computer Science series.

Extended versions of AIMSA 2018 selected papers will be published by MDPI, Switzerland, in a special issue of “Information” (ISSN 2078-2489) – an Open Access Journal of Information Science (http://www.mdpi.com/journal/information/special_issues/AIMSA_2018/).

PROGRAMME COMMITTEE CHAIR

Josef van Genabith The German Research Center for Artificial Intelligence DFKI

KEYNOTE SPEAKERS
ASSOCIATED EVENTS

Workshop on Artificial Intelligence in Bioinformatics – 11th of September, 2018
http://www.aimsaconference.org/workshop.php

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.

REGISTRATION

The AIMSA'2018 registration fee includes attendance to AIMSA'2018 technical sessions, a copy of the AIMSA'2018 proceedings, welcome reception, working lunches, coffee-breaks and the conference dinner.

Registration fees (before August 1st)

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<th>Category</th>
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<tr>
<td>Regular fee AIMSA</td>
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<td>Regular fee WORKSHOP</td>
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<td>Student/PhD Student AIMSA &amp; WORKSHOP</td>
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GRANTS

Bulgarian Artificial Intelligence Association will provide several grants for PhD students and young researchers. The grant covers the conference fee.

LOCAL ORGANIZING COMMITTEE CHAIR

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ORGANIZERS

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