FIRST CALL FOR PAPERS

The 17th International Conference on
Artificial Intelligence: Methodology, Systems, Applications
AIMSA 2016

- AI in the Data Driven World -

Varna, Bulgaria, 7-9th September, 2016
http://www.aimsaconference.org

**** Submission deadline: April 30th, 2016 ****
**** Proceedings published by Springer/LNCS ****

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. Under the general theme of "AI in the Data Driven World", the 17th 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 as well as novel crosscutting work in related areas including but not limited to:

* AI in education
* AI applications in business, industry and entertainment
* Ambient intelligence
* Automated reasoning
* Cognitive Modelling and Cognitive Architectures
* Data mining and data analysis
* Dialogue management and argumentation
* Distributed AI
* Evolutionary Algorithms
* Human-computer interaction and AI
* Information retrieval
* Intelligent decision support
* Intelligent user interfaces
* Knowledge discovery in Big Data
* Knowledge engineering
* Knowledge representation and reasoning
* Large scale knowledge management
* Logic and constraint programming
* Machine learning
* Multi-agent systems
* Multimedia systems
* Natural language processing
* Neural networks
* Ontologies (creating, linking, merging, reconciliation)

* Perception and Vision
* Planning and Scheduling
* Reasoning under Uncertainty
* Robotics
* Search & Retrieval
* Semantic interoperability
* Semantic web for e-business and e-learning
* Social network analysis
* Swarm Intelligence
* Tools and methodologies for multi-agent software systems
* Trust, privacy, and security on the web
* Visualization and modelling and AI
* Web-based technology and AI

We especially welcome papers and posters demonstrating successful AI applications in the Real World, 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: April 30, 2016
Notification of acceptance: June 01, 2016
Deadline for camera-ready: June 24, 2016
Conference: September 7-9, 2016

SUBMISSION DETAILS

Papers have to be submitted electronically (in PDF format) via the submission system to the address: http://www.easychair.org/conferences/?conf=aimsa2016

Papers should be written in English and should be no more than 10 pages, font Times 11pt. Authors are requested to follow the LNCS Style. The first page should contain the title of the paper, names and addresses of all authors (including e-mail), an abstract (100-150 words) and a list of keywords.

Submissions should describe original research. Papers accepted for presentation at AIMSA 2016 cannot be presented or have been presented at another meeting with publicly available published proceedings. Papers that are being submitted to other conferences must indicate this on the title page, as must papers that contain significant overlap with previously published work.

Over lengthy or late submissions will be rejected without review. Notification of receipt and acceptance of papers will be sent to the first author.

PROCEEDINGS

The proceedings will be 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

The AIMSA'2016 Conference will be held in the Golden Sands Resort. The resort is situated 18 km north of the city of Varna and 24 km from its airport.

It 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.

The resort offers accommodation in 69 hotels of different category, excellent possibilities for recreation, entertainment, business and health.

The Conference itself will take place in the 4-star Lilia Hotel. The hotel disposes of seminar and conference halls, suitable for different kinds of events. The hotel offers advertising and presentation spaces close to the halls and in the hotel's foyer, various business services – telephone, fax, copier, laminating, as well as proper technical appliances for the successful flow of the meetings.

Wi-Fi Internet is available in/around the working hall and in the hotel lobby, while in the rooms and suites it is subject to individual payment.

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