

CALL FOR PARTICIPATION

The 15th International Conference on Artificial Intelligence: Methodology, Systems, Applications AIMSA 2012

Varna, Bulgaria, 13-15th September, 2012
<http://www.aimsaconference.org>

The AIMSA conference series has provided a biennial forum for the presentation of Artificial intelligence research and development since 1984. The conference, which is held in Bulgaria, covers the full range of topics in Artificial Intelligence and related disciplines and provides an ideal forum for international scientific exchange between Central/Eastern Europe and the rest of the world.

As its name indicates, the conference is dedicated to Artificial Intelligence in its entirety. However, for AIMSA 2012, we would like to put the emphasis on the application and leverage of Artificial Intelligence technologies in the context of knowledge creation, accessing, acquiring, and sharing to empower individuals and communities. A number of AI techniques play a key role in responding to these challenges. Artificial Intelligence is extensively used in the development of systems for effective management and flexible and personalized access to large knowledge bases, in the semantic web technologies that enable sharing and reuse of and reasoning over semantically annotated resources, in the emerging social semantic web applications that aid humans to collaboratively build semantics, in the construction of intelligent environments for supporting (human and agent) learning, etc. In building such intelligent applications, Artificial Intelligence techniques are typically combined with results from other disciplines such as the social sciences, distributed systems, databases, digital libraries, information retrieval, service oriented applications, etc.

TOPICS

The conference welcomes submissions of original, high quality papers in all areas of Artificial Intelligence, including but not limited to:

- * **AI in education**
- * **Ambient intelligence**
- * **Automated reasoning**
- * **Computer vision**
- * **Data mining and data analysis**
- * **Data semantics**
- * **Dialogue management and argumentation**
- * **Distributed AI**
- * **Human-computer interaction and AI**
- * **Information integration**
- * **Information retrieval**
- * **Intelligent decision support**
- * **Intelligent user interfaces**

- * 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)
- * Planning
- * Robotics
- * Semantic interoperability
- * Semantic web for e-business and e-learning
- * Semantic web services (description, invocation, composition)
- * Social desktop and personalisation
- * Social network analysis
- * 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

PROCEEDINGS

The proceedings will be published by Springer-Verlag 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.

REGISTRATION FEES

The registration fees include admission to the AIMSA'2012 technical sessions, a copy of the AIMSA'2012 proceedings, Welcome reception, Conference dinner, working lunches and coffee-breaks.

Participants	Conference fee
Regular fee AIMSA	450 €
Student AIMSA	350 €
Regular fee WORKSHOP	180 €
Regular fee AIMSA & WORKSHOP	530 €
Student AIMSA & WORKSHOP	420 €

LOCATION

AIMSA will be held at the Golden Sands Tourist Complex, 18 km from the north-east of Varna and 24 km from Varna airport. More information is available in the brochure at the conference web site.

PROGRAMME COMMITTEE CHAIR

Allan Ramsay

University of Manchester, Manchester, UK

E-mail: Allan.Ramsay@manchester.ac.uk

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

PROGRAMME COMMITTEE

Gennady	Agre	Institute of Information and Communication Technologies, Bulgaria
Galia	Angelova	Institute of Information and Communication Technologies, Bulgaria
Annalisa	Appice	Universita degli Studi di Bari, Italy
Franz	Baader	Technische Universitat - Dresden, Germany
Roman	Bartak	Charles University, Czech Republic
Gavin	Brown	University of Manchester, UK
Stefano	Cerri	Montpellier Laboratory of Informatics, Robotics, and Micro-electronics, France
Silvia	Coradeschi	Orebro University, Sweden
Ulises	Cortes	Universitat Politecnica de Catalunya, Spain
Dan	Cristea	Alexandru Ioan Cuza University, Romania
Christo	Dichev	Winston-Salem State University, USA
Darina	Dicheva	Winston-Salem State University, USA
Vania	Dimitrova	School of Computing, University of Leeds, UK
Danail	Dochev	Institute of Information and Communication Technologies, Bulgaria
Ben	DuBoulay	University of Sussex, UK
Stefan	Edelkamp	Technische Universitat - Dortmund, Germany
Floriana	Esposito	Universita degli Studi di Bari, Italy
Andreas	Herzig	Toulouse Institute of Computer Science Research, France
Joerg	Hoffmann	INRIA Nancy, France
Vladimir	Khoroshevsky	Computer Centre of Russian Academy of Sciences, Russia
Igor	Kononenko	University of Ljubljana, Slovenia
Irena	Koprinska	School of Information Technologies, University of Sydney, Australia
Oliver	Kutz	University of Bremen, Germany
Derek	Long	University of Strathclyde, UK
Zdravko	Markov	Central Connecticut State University, USA
Radoslav	Pavlov	Institute of Mathematics and Informatics, Bulgaria

Enric	Plaza	Artificial Intelligence Research Institute, CSIC, Spain
Ian	Pratt-Hartmann	University of Manchester, UK
Allan	Ramsay	University of Manchester, UK
Ioannis	Refanidis	University of Macedonia, Greece
Francesca	Rossi	University of Padova, Italy
Paolo	Rosso	Universidad Politecnica de Valencia, Spain
Marco	Rospocher	Center for Information Technology, Fondazione Bruno Kessler, Italy
Evgeni	Smirnov	University of Maastricht, The Netherlands
Doina	Tatar	"Babes-Bolyai" University of Cluj, Romania
Annette	ten Teije	Free University Amsterdam, The Netherlands
Dan	Tufis	Research Institute for Artificial Intelligence, Romania

ORGANISERS

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