

IMPORTANT DATES

SUBMISSION DEADLINE: May 10, 2004
ACCEPTANCE NOTIFICATION: June 17, 2004
FINAL PAPERS' DEADLINE: June 30, 2004
CONFERENCE: Sept. 2-4, 2004

CONFERENCE CHAIR

Dieter Fensel

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PROGRAMME COMMITTEE CHAIR

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PROGRAMME COMMITTEE

Please see <http://www.aims2004.org/> for a complete list of Program Committee members.

LOCAL ORGANIZATION CHAIR

Danail Dochev

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THE ELEVENTH INTERNATIONAL
CONFERENCE ON ARTIFICIAL
INTELLIGENCE:
METHODOLOGY, SYSTEMS,
APPLICATIONS

AIMSA 2004

– SEMANTIC WEB CHALLENGES –

September 2nd-4th, 2004

Varna, Bulgaria

www.aims2004.org

CALL FOR PAPERS



The AIMS2004 conference series has provided a biennial forum for the presentation of AI 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. AIMS2004 will have a specific emphasis on Semantic Web challenges.

AIMSA2004 is supported by ECCAI, European Coordinating Committee for Artificial Intelligence.

The conference welcomes submissions of original, high quality papers in all areas of Artificial Intelligence and especially from the perspective of the future Semantic Web.

CONFERENCE LOCATION

AIMSA 2004 will be held at the oldest Bulgarian Black Sea resort of St. St. Constantine and Elena. It is located in a beautiful natural park with a wonderful combination of sea coast, woods and hot mineral springs. The resort is only 8 km from the town of Varna, which has an international and domestic airport with flights to and from Sofia (the capital city of Bulgaria). There are also direct flights connecting the major European cities with Sofia and Varna. The conference will take place in the International home of scientists "F. Joliot-Curie" standing in the middle of the resort.



ORGANIZERS

- Agency for Development of Communications and Information and Communication Technologies at the Bulgarian Ministry of Transport and Communications
- Bulgarian Artificial Intelligence Association
- Institute of Information Technologies (IIT-BAS)

TOPICS

AI IN EDUCATION
AUTOMATED REASONING
COMPUTER VISION
DATA MINING
DATA SEMANTICS
DISTRIBUTED AI
HUMAN-COMPUTER INTERACTION
INFORMATION RETRIEVAL
INTELLIGENT USER INTERFACES
KNOWLEDGE PORTALS
KNOWLEDGE REPRESENTATION
LARGE SCALE KNOWLEDGE MANAGEMENT
LOGIC PROGRAMMING
MACHINE LEARNING
MULTI-AGENT SYSTEMS
MULTIMEDIA SYSTEMS
NATURAL LANGUAGE PROCESSING
NEURAL NETWORKS
ONTOLOGIES (CREATING, LINKING,
MERGING, RECONCILIATION)
PLANNING
ROBOTICS
SEMANTIC BROKERING
SEMANTIC INTEROPERABILITY
SEMANTIC WEB FOR E-BUSINESS AND E-LEARNING
SEMANTIC WEB INFERENCE SCHEMES
SEMANTIC WEB SERVICES (DESCRIPTION,
INVOCATION, COMPOSITION)
SEMANTIC WEB TRUST, PRIVACY, SECURITY
TOOLS AND METHODOLOGIES FOR MULTI-AGENT SOFTWARE SYSTEMS
VISUALIZATION AND MODELING
WEB-BASED TECHNOLOGY

SUBMISSION DETAILS

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, as selected by the AIMSA 2004 programme committee, will receive the Best Paper Award during the conference.

Submissions describing original research should be sent electronically in PDF or RTF format at <http://sws.deri.ie/AIMSA2004.html>. Papers should be written in English and should be no more than 10 pages in LNCS/LNAI format, which is the final camera-ready format described in details on <http://www.springer.de/comp/lncs/authors.html>. The first page should contain the title of the paper, names and addresses of all authors (including e-mail, if available), an abstract (100-150 words) and a list of keywords. The Proceedings of AIMSA'2004 will be published by Springer in the **Lecture Notes in Artificial Intelligence** series and will be available at the conference.

A paper accepted for presentation at AIMSA'2004 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.

LANGUAGE

The official language of the conference is **English**.