CALL FOR PAPERS

The IASTED International Conference on
Artificial Intelligence and Applications
~AIA 2007~

as part of the 25th IASTED International Multi-Conference on
APPLIED INFORMATICS

February 12-14, 2007
Innsbruck, Austria

SPONSORS
The International Association of Science and Technology for Development (IASTED)
- Technical Committee on Artificial Intelligence and Expert Systems

World Modelling and Simulation Forum (WMSF)

CONFERENCE CHAIR
Vladan Devedžić - University of Belgrade, Serbia and Montenegro

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KEYNOTE SPEAKER
Max Bramer - University of Portsmouth, UK

PURPOSE
This conference will act as a major forum for international researchers and practitioners working in all areas of artificial intelligence to present and observe the latest research, results, and ideas in these areas. All papers submitted to this conference will be peer evaluated by at least two reviewers. Acceptance will be based primarily on originality and contribution.

AIA 2007 will be held in conjunction with the IASTED International Conference on:

Modelling, Identification and Control (MIC 2007)
LOCATION

Innsbruck is nestled in the valley of the Inn River and tucked between the Austrian Alps and the Tuxer mountain range. It has twice hosted the Winter Olympics and is surrounded by the eight ski regions of the Olympic Ski World, including the Stubai Glacier, which offers skiing year round. Climbing the 14th century Stadtturm on Herzog Friedrich Strasse provides a stunning view of the town and the breathtaking scenery that surrounds it. Concerts at Ambras Castle provide listening pleasure in a beautiful renaissance setting. The sturdy medieval houses and sidewalk cafés of Old Town Innsbruck beckon you to sit for a while and watch people stroll by.

With its unique blend of historical, intellectual, and recreational pursuits, Innsbruck offers something for every visitor. AIA 2007 will be held at the world-famous Congress Innsbruck, located in the heart of the city, near the historical quarter. This facility won the prestigious 'Best Conference Center in Europe Award' in 2000.

SCOPE
The topics to be covered include but are not limited to:

- Knowledge Acquisition
- Knowledge Representation
- Case-based Reasoning
- Probabilistic Reasoning
- Temporal Reasoning
- Model-based Reasoning
- Planning and Scheduling
- Connectionist Models
- Machine Learning
- Natural Language Processing
- Human-Computer Interfaces
- Expert Systems
- Distributed Artificial Intelligence
- Cooperative Artificial Intelligence Systems
- Data Mining
- Web Mining
- Computational Intelligence
- Logic Programming
- Neural Networks
- Fuzzy Logic
- Genetic Algorithms
- Autonomous Agents
- Intelligent Agents
- Intelligent Databases
- Intelligent Control
- Intelligent Tutoring
- Intelligent Information Systems
- Software Tools for Artificial Intelligence

Applications in:
- Robotics
- Manufacturing
- Automation
- Business
- Law
- Engineering
- Education
- Computing
- The Internet
- Multimedia
- E-Commerce
- Computer Vision
- Signal Processing
- Pattern Recognition
- Speech Recognition
- Telecommunications
- Medicine and Bioengineering
- Others

INTERNATIONAL PROGRAM COMMITTEE
A. Aamodt – Norwegian University of Science and Technology, Norway
S. Abdennadher – German University in Cairo, Egypt
G. Agre – Bulgarian Academy of Sciences, Bulgaria
SUBMISSION OF PAPERS

Initial Papers
Submit your paper via our website at: http://www.iasted.org/conferences/submit-549.html. All submissions should be in Adobe Acrobat (.pdf), Postscript (.ps), or MS Word (.doc) format. The IASTED Secretariat must receive your paper by September 15, 2006. Receipt of paper submission will be confirmed by email. Authors are responsible for having their papers checked for style and grammar prior to submission to IASTED. Papers may be rejected if the language is not satisfactory.

Complete the online initial paper submission form designating an author who will attend the conference and providing four key words to indicate the subject area of your paper. One of the key words must be taken from the list of topics provided under Scope. Initial paper submissions should be approximately six pages. Formatting instructions are available at: http://www.iasted.org/formatting-initial.htm.

Notification of acceptance will be sent via email by November 1, 2006. Final manuscripts are due by November 15, 2006. Registration and final payment are due by December 1, 2006. Late registration fees or paper submissions will result in the papers being excluded from the conference proceedings.

Final Papers
Send your final manuscripts via email to: finalpapers@iasted.org. The subject line for the final manuscript submission must include your six-digit paper number. The formatting instructions can be found at: http://www.iasted.org/formatting-final.htm and must be strictly followed. The page limit for final papers is six single-spaced pages in 10 point Times New Roman font. Only one paper of up to six pages is included in the regular registration fee. There will be an added charge for extra pages and additional papers.

TUTORIALS
Proposals for three-hour tutorials should be submitted online by September 15, 2006. Tutorials are to be submitted via the following website address: http://www.iasted.org/conferences/tutorialsubmit-549.html. A tutorial proposal should clearly indicate the topic, background knowledge expected of the participants, objectives, time allocations for the major course topics, and the qualifications of the instructor(s).

SPECIAL SESSIONS
Persons wishing to organize a special session should submit a proposal via email to: calgary@iasted.org. Proposals should include a session title, a list of the topics covered, and the qualifications and brief biography of the session organizer(s). Papers submitted to the special session must be received by September 15, 2006, unless otherwise stipulated by the Special Session Organizer. A minimum of five papers must be registered and fully paid in order for this session to be included in the conference program. More information on special sessions is available at: http://www.iasted.org/conferences/SpecialSession-549.html.

JOURNALS
Expanded and enhanced versions of papers published in the conference proceedings can also be considered for inclusion in the one of the IASTED journals. Information on the submission of papers to journals is available at http://www.actapress.com/SubmissionInfo.aspx.
Whole proceedings as well as single papers can now be purchased online. Please visit ACTA Press: [http://www.actapress.com](http://www.actapress.com).

**IMPORTANT DEADLINES**

- Submissions due: September 15, 2006
- Notification of acceptance: November 1, 2006
- Final manuscript due: November 15, 2006
- Registration and full payment: December 1, 2006

For more information, or to be placed on our mailing list, please contact:

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