

# RELATED CONFERENCES, CALL FOR PAPERS/PARTICIPANTS

## TCII Sponsored Conferences

**AWIC'08**  
**The Sixth Atlantic Web Intelligence Conference**  
 Cape Town, South Africa  
 June 30-July 3, 2008  
<http://www.fullcycles.org/AWIC2008/>

The Atlantic Web Intelligence Conference (Spain – 2003, Mexico – 2004, Poland – 2005, Israel – 2006, France – 2007) brings together scientists, engineers, computer users, and students to exchange and share their experiences, new ideas, and research results about all aspects (theory, applications and tools) of intelligent methods applied to Web based systems, and to discuss the practical challenges encountered and the solutions adopted.

The conference will cover a broad set of intelligent methods, with particular emphasis on soft computing. Methods such as (but not restricted to): Neural Networks, Fuzzy Logic, Multivalued Logic, Rough Sets, Ontologies, Evolutionary Programming, Intelligent CBR, Genetic Algorithms, Semantic Networks, Intelligent Agents, Reinforcement Learning, Knowledge Management, etc. should be related to applications on the Web like: Web Design, Information Retrieval, Electronic Commerce, Conversational Systems, Recommender Systems, Browsing and Exploration, Adaptive Web, User Profiling/Clustering, E-mail/SMS filtering, Negotiation Systems, Security, Privacy, and Trust, Web-log Mining, etc.

**WI 2008**  
**The 2008 IEEE/WIC/ACM International Conference on Web Intelligence**  
 Sydney, Australia  
 December 9-12, 2008

Web Intelligence (WI) has been recognized as a new direction for scientific research and development to explore the fundamental roles as well as practical impacts of Artificial Intelligence (AI) (e.g., knowledge representation, planning, knowledge discovery

and data mining, intelligent agents, and social network intelligence) and advanced Information Technology (IT) (e.g., wireless networks, ubiquitous devices, social networks, semantic Web, wisdom Web, and data/knowledge grids) on the next generation of Web-empowered products, systems, services, and activities. It is one of the most important as well as promising IT research fields in the era of Web and agent intelligence.

The 2008 IEEE/WIC/ACM International Conference on Web Intelligence (WI'08) will be jointly held with the 2008 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'08). The IEEE/WIC/ACM 2008 joint conferences are organized by University of Technology, Sydney, Australia, and sponsored by IEEE Computer Society Technical Committee on Intelligent Informatics (TCII), Web Intelligence Consortium (WIC), and ACM-SIGART.

Following the great successes of WI'01 held in Maebashi City, Japan, WI'03 held in Halifax, Canada, WI'04 held in Beijing, China, WI'05 in Compiegne University of Technology, France, and WI'06 held in Hong Kong, WI'07 held in Silicon Valley USA, WI'08 provides a leading international forum for researchers and practitioners (1) to present the state-of-the-art of WI technologies; (2) to examine performance characteristics of various approaches in Web-based intelligent information technology; and (3) to cross-fertilize ideas on the development of Web-based intelligent information systems among different domains. By idea-sharing and discussions on the underlying foundations and the enabling technologies of Web intelligence, WI'08 will capture current important developments of new models, new methodologies and new tools for building a variety of embodiments of Web-based intelligent information systems.

**IAT 2008**  
**The 2008 IEEE/WIC/ACM International Conference on Intelligent Agent Technology**

Sydney, Australia  
 December 9-12, 2008

Following the great successes of IAT'01, IAT'03, IAT'04, IAT'05, IAT'06 and IAT'07, we are excited to propose Sydney as the site for the 2008 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'08), to be jointly held with the 2008 IEEE/WIC/ACM International Conference on Web Intelligence (WI'08), will be held in Sydney, Australia. IAT 2008 is sponsored by the IEEE Computer Society Technical Committee on Intelligent Informatics (TCII), the Web Intelligence Consortium (WIC), and ACM-SIGART.

IAT'08 will provide a leading international forum to bring together researchers and practitioners from diverse fields, such as computer science, information technology, business, education, human factors, systems engineering, and robotics, to (1) examine the design principles and performance characteristics of various approaches in intelligent agent technology, and (2) increase the cross-fertilization of ideas on the development of autonomous agents and multi-agent systems among different domains. By encouraging idea-sharing and discussions on the underlying logical, cognitive, physical, and sociological foundations as well as the enabling technologies of intelligent agents, IAT 2008 will foster the development of novel paradigms and advanced solutions in agent-based computing.

**ICDM'08**  
**The Eighth IEEE International Conference on Data Mining**  
 Pisa, Italy  
 December 15-19, 2008  
<http://icdm08.isti.cnr.it>

The IEEE International Conference on Data Mining series (ICDM) has established itself as the world's premier research conference in data mining, providing a leading forum for presentation of original research results, as well as exchange and dissemination of innovative, practical development experiences. The conference covers all aspects of data mining, including algorithms, software and systems, and applications. In addition, ICDM

draws researchers and application developers from a wide range of data mining related areas such as statistics, machine learning, pattern recognition, databases and data warehousing, data visualization, knowledge-based systems, and high performance computing. By promoting novel, high quality research findings, and innovative solutions to challenging data mining problems, the conference seeks to continuously advance the state-of-the-art in data mining. Besides the technical program, the conference will feature workshops, tutorials, panels, and the ICDM data mining contest. High quality papers in all data mining areas are solicited. Original papers exploring new directions will receive especially careful consideration. Papers that have already been accepted or are currently under review for other conferences or journals will not be considered for ICDM '08.

A selected number of IEEE ICDM '08 accepted papers will be invited for possible inclusion, in expanded and revised form, in the Knowledge and Information Systems journal (<http://www.cs.uvm.edu/~kais/>) published by Springer-Verlag. IEEE ICDM Best Paper Awards will be conferred at the conference on the authors of (1) the best research paper and (2) the best application paper. Strong, foundational, results will be considered for the best research paper award and application-oriented submissions will be considered for the best application paper award. Other than technical paper presentation sessions, ICDM'08 will host short and long tutorials as well as workshops that focus on new research directions and initiatives. All accepted workshop papers will be included in a separate workshop proceedings published by the IEEE Computer Society Press. Also, a call for organizing a data mining contest will be issued to challenge researchers and practitioners with a real practical data mining problem.

### Related Conferences

#### AAMAS'08 The Seventh International Joint Conference on Autonomous Agents and Multi-Agent Systems

Estoril, Portugal  
May 12-16, 2008  
<http://gaips.inesc-id.pt/aamas2008/>

AAMAS is the leading scientific conference for research in autonomous agents and multi-agent systems. The AAMAS conference series was initiated in 2002 as a merger of three highly respected individual conferences: the

International Conference in Autonomous Agents, the International Workshop on Agent Theories, Architectures, and Languages, and the International Conference on Multi-Agent Systems. The aim of the joint conference is to provide a single, high-profile, internationally respected archival forum for research in all aspects of the theory and practice of autonomous agents and multi-agent systems.

Tutorials and workshops will be held on Monday May 12th and Tuesday May 13th, 2008. Accepted technical papers and invited talks will be presented from Wednesday May 14th through Friday May 16th, 2008. This year AAMAS will feature two special tracks: one on Multi-Robots and the other on Virtual Agents. The goal is to provide an opportunity for interaction and cross-fertilization between the AAMAS community and researchers working in these fields and to strengthen links between the two communities. For more information please contact Pedro Lima at [robotics@aamas2008.org](mailto:robotics@aamas2008.org) and Elisabeth Andre at [synthetic@aamas2008.org](mailto:synthetic@aamas2008.org). AAMAS will also continue to feature an 'Industry and Applications' track and a Demonstrations session.

#### ISWC'08

#### The Seventh International Semantic Web Conference

Karlsruhe  
<http://iswc2008.semanticweb.org/>

ISWC is a major international forum where visionary and state-of-the-art research of all aspects of the Semantic Web are presented. ISWC'06 follows the 1st International Semantic Web Conference (ISWC'02 which was held in Sardinia, Italy, 9-12 June 2002), the 2nd International Semantic Web Conference (ISWC'03 which was held in Florida, USA, 20 - 23 October 2003), 3rd International Semantic Web Conference (ISWC'04 which was held in Hiroshima, Japan, 7 - 11 November 2004), 4th International Semantic Web Conference 2005 (ISWC'05 which was held in Galway, Ireland, 6 - 10 November, 2005), 5th (ISWC'06 which was held in Athens, GA, USA 5 - 9 November, 2006), and 6th (ISWC'07 which was held in Busan, Korea 11 - 15 November, 2007).

#### SDM'08

#### 2008 SIAM International Conference on Data Mining

Atlantic, Georgia, USA  
April 24-26, 2008

<http://www.siam.org/meetings/sdm08/>

Data mining and knowledge discovery is rapidly becoming an important tool in all walks of human endeavor including science, engineering, industrial processes, healthcare, business, medicine and society. The datasets in these fields are large, complex, and often noisy. Extracting knowledge requires the use of sophisticated, high-performance and principled analysis techniques and algorithms, based on sound statistical foundations. These techniques in turn require powerful visualization technologies; implementations that must be carefully tuned for performance; software systems that are usable by scientists, engineers, and physicians as well as researchers; and infrastructures that support them. For the main conference the program committee seeks outstanding papers in all areas pertaining to data mining and knowledge discovery.

This conference provides a venue for researchers who are addressing these problems to present their work in a peer-reviewed forum. It also provides an ideal setting for graduate students and others new to the field to learn about cutting-edge research by hearing outstanding invited speakers and attending tutorials (included with conference registration). A set of focused workshops are also held on the last day of the conference. The proceedings of the conference are published in archival form, and are also made available on the SIAM web site.

#### AAAI'08

#### The Twenty-Third Conference on Artificial Intelligence

Chicago, Illinois, USA  
July 13-17, 2008

<http://www.aaai.org/Conferences/AAAI/>

AAAI'08 is the Twenty-Third AAAI Conference on Artificial Intelligence (AI). Sponsored by the Association for the Advancement of Artificial Intelligence, the purpose of this conference is to promote research in AI and scientific exchange among AI researchers, practitioners, scientists, and engineers in related disciplines. AAAI'08 will have multiple technical tracks, student abstracts, poster sessions, invited speakers, and exhibit programs, all selected according to the highest reviewing standards.

AAAI'08 welcomes submissions on mainstream AI topics as well as novel cross-cutting work in related areas. Topics include but are not limited to the following: Agents; Cognitive modeling and human

interaction; Commonsense reasoning; entertainment; Information integration and Model-based systems; Natural language  
Constraint satisfaction; Evolutionary extraction; Knowledge acquisition and processing; Planning and scheduling; Robotics;  
computation; Game playing and interactive ontologies; Machine learning and data mining; Search; Semantic web; Vision and perception.