

# RELATED CONFERENCES, CALL FOR PAPERS/PARTICIPANTS

## TCII Sponsored Conferences

### AWIC'07

#### The Fifth Atlantic Web Intelligence Conference

Fontainebleau, France

June 27-29, 2007

<http://www.awic2007.net/>

The 5th Atlantic Web Intelligence Conference (Spain - 2003, Mexico - 2004, Poland - 2005, Israel - 2006) 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, Multi valued Logic, Rough Sets, Ontologies, Evolutionary Programming, Intelligent CBR, Genetic Algorithms, Semantic Networks, Intelligent Agents, Reinforcement Learning, Knowledge Management, etc. must 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'07

#### The 2007 IEEE/WIC/ACM International Conference on Web Intelligence

Silicon Valley, USA

November 2-5, 2007

<http://www.cs.sjsu.edu/wi07/wi/>

Web Intelligence (WI) is a new paradigm for scientific and research and technological development to explore the fundamental interactions between AI-engineering and advanced Information Technology (AIT) on the next generation of Web systems, services, and etc. Here AI-engineering is a general term that

refers to a new area, slightly beyond traditional AI: brain informatics, human level AI, intelligent agents, social network intelligence and classical areas, such as knowledge engineering, representation, planning, and discovery and data mining are examples. AIT includes wireless networks, ubiquitous devices, social networks, and data/knowledge grids. WI research seeks to explore the most critical technology and engineering to bring in the next generation Web systems.

Following the great successes of WI'01, WI'03, WI'04, WI'05 and WI'06, Silicon Valley is proposed as the site for the 2007 IEEE/WIC/ACM International Conference on Web Intelligence (WI'07) to be jointly held with the 2007 IEEE/WIC/ACM International Conference on Intelligent Agent Technology, and we expect that this high tech hub will be able to host WI'07 with great success. WI'07 is sponsored by the IEEE Computer Society Technical Committee on Intelligent Informatics (TCII), the Web Intelligence Consortium (WIC), and ACM-SIGART. Holding WI'07 in the heart of the high tech world will provide special opportunities for collaboration between research scientists and engineers.

WI'07 is planned to provide 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'07 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'07

#### The 2007 IEEE/WIC/ACM International Conference on Intelligent Agent Technology

Silicon Valley, USA

November 2-5, 2007

<http://www.cs.sjsu.edu/wi07/iat/>

Following the great successes of IAT'01, IAT'03, IAT'04, IAT'05 and expected success of IAT'06, we are excited to propose Silicon Valley as the site for the 2007 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'07), to be jointly held with the 2007 IEEE/WIC/ACM International Conference on Web Intelligence (WI'07), and we are confident that this high tech hub will be able to host IAT'07 with great success. IAT'07 is sponsored by the IEEE Computer Society Technical Committee on Intelligent Informatics (TCII), the Web Intelligence Consortium (WIC), and ACM-SIGART. Holding IAT'07 in the heart of the high tech world will provide special opportunities for collaboration between research scientists and engineers.

IAT'07 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'07 will foster the development of novel paradigms and advanced solutions in agent-based computing.

### ICDM'07

#### The Seventh IEEE International Conference on Data Mining

Omaha, NE, USA

October 28-31, 2007

<http://www.ist.unomaha.edu/icdm2007/>

The IEEE International Conference on Data Mining series (ICDM) has established itself as the world's premier research conference in data mining. It provides an international 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, new for this year, the ICDM data mining contest.

### Related Conferences

#### AAMAS'07

**The Sixth International Joint  
Conference on Autonomous Agents and  
Multi-Agent Systems**  
Honolulu, Hawaii USA  
May 14-18, 2007  
<http://www.aamas2007.org/>

AAMAS'07 encourages the submission of theoretical, experimental, methodological, and applications papers. Theory papers should make clear the significance and relevance of their results to the AAMAS community. Similarly, applied papers should make clear both their scientific and technical contributions, and are expected to demonstrate a thorough evaluation of their strengths and weaknesses in practice. Papers that address isolated agent capabilities (for example, planning or learning) are discouraged unless they are placed in the overall context of autonomous agent architectures or multiagent system organization and performance. A thorough evaluation is considered an essential component of any submission. Authors are also requested to make clear the implications of any theoretical and empirical results, as well as how their work relates to the state of the art in autonomous agents and multiagent systems research as evidenced in, for example, previous AAMAS conferences. All submissions will be rigorously peer reviewed and evaluated on the basis of the quality of their technical contribution, originality, soundness, significance, presentation, understanding of the state of the art, and overall quality of their technical contribution.

In addition to conventional conference papers, AAMAS'07 will also include a demonstrations track for work focusing on implemented systems, software, or robot

prototypes; and an industry track for descriptions of industrial applications of agents. The submission processes for the demonstration and industry tracks will be separate from the main paper submission process.

#### ISWC'07

**The Sixth International Semantic Web  
Conference**  
Busan, Korea  
November 11-15, 2007  
<http://iswc2007.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'07 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) and 5th (ISWC'06 which was held in Athens, GA, USA 5 - 9 November, 2006).

The World-Wide Web continues to grow and new technologies, modes of interactions, and applications are being developed. Building on this growth, Semantic Web technologies aim at providing a shared semantic information space, changing qualitatively our experiences on the Web. As Semantic Web technologies mature and permeate more and more application areas, new research challenges are coming to the fore and some unsolved ones are becoming more acute. These issues include creating and managing Semantic Web content, making Semantic Web applications robust and scalable, organizing and integrating information from different sources for novel uses, making semantics explicit in order to improve our overall experience with information technologies, and thus enabling us to use the wealth of information that is currently available in digital form for addressing our everyday tasks. To foster the exchange of ideas and collaboration, the International Semantic Web Conference brings together researchers in relevant disciplines such as artificial intelligence, databases, social networks, distributed computing, web engineering, information systems, natural language processing, and human-computer interaction.

In addition to this call for papers for the research track, ISWC'07 will include a Semantic Web In Use track, a poster and demonstration track, a doctoral consortium, and

a special competition known as the Semantic Web Challenge.

#### SDM'07

**2007 SIAM International Conference on  
Data Mining**  
Minneapolis, Minnesota, USA  
April 26-28, 2007  
<http://www.siam.org/meetings/sdm07/>

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'07

**The Twenty-Second Conference on Artificial  
Intelligence**  
Vancouver, British Columbia, Canada  
July 22-26, 2007  
<http://www.aaai.org/Conferences/AAAI/>

The Twenty-Second Conference on Artificial Intelligence (AAAI'07) and the collocated Nineteenth Conference on Innovative Applications of Artificial Intelligence (IAAI'07) will be held in Vancouver, British Columbia at the Hyatt Regency Vancouver, from July 22-26.

The AAAI'07 Program Cochairs are Adele Howe, Colorado State University, and Robert C.

Holte at the University of Alberta.

The call for papers for AAAI'07's many programs have now been updated with complete submission information and links to author instructions, paper formatting, and submission sites. AAAI'07 invite your paper submissions to the main technical program, the two special tracks on Artificial Intelligence on the Web (AIW) and Integrated Intelligence (II), the Nectar Program, and the Senior Member Program.

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**ICTAI'07**

**The nineteenth International Conference on  
Tools with Artificial Intelligence**

Minneapolis, Minnesota, USA

April 26-28, 2007

<http://ictai07.ceid.upatras.gr/>

The annual IEEE International Conference on Tools with Artificial Intelligence (ICTAI) provides a major international forum where the creation and exchange of ideas relating to artificial intelligence are fostered among

academia, industry, and government agencies. The conference facilitates the cross-fertilization of these ideas and promotes their transfer into practical tools, for developing intelligent systems and pursuing artificial intelligence applications. The ICTAI encompasses all the technical aspects of specifying, developing, and evaluating the theoretical underpinnings and applied mechanisms of AI tools. A selection of the best papers in the conference will be published in a special issue of the International Journal on Artificial Intelligence Tools (IJAIT) (SCI Indexed).