

RELATED CONFERENCES, CALL FOR PAPERS/PARTICIPANTS

TCII Sponsored Conferences

THE 2012 WORLD INTELLIGENCE CONGRESS

(WI+IAT+AMT+BI+ISMIS)

Macau, China

December 4- 7, 2012

<http://degroupp.sftw.umac.mo/~wic2012/>

<http://www.comp.hkbu.edu.hk/~wic/>

World Intelligence Congress 2012 is being organized/sponsored by the Web Intelligence Consortium (WIC), the IEEE-CS Technical Committee on Intelligent Informatics (TCII), the IEEE-CIS Task Force on Brain Informatics and ACM SIGART as a special event of the Alan Turing Year (Centenary of Alan Turing's birth) in 2012. The congress includes five intelligent informatics related conferences co-located with the aim to facilitate interactions and idea exchange among researchers working on a variety of focused themes under a holistic vision for computing and intelligence in the post WWW era, and to promote and expedite new innovations for areas under intelligent informatics.

WI 2012

The 2012 IEEE/WIC/ACM International Conference on Web Intelligence

Web Intelligence (WI) explores the fundamental roles, interactions as well as practical impacts of Artificial Intelligence (AI) engineering and advanced information technology on the next generation of Web systems. 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, discovery and data mining are examples. Advanced information technology includes wireless networks, ubiquitous devices, social networks, and data/knowledge grids, as well as cloud computing, service oriented architecture.

IAT 2012

The 2012 IEEE/WIC/ACM International Conference on Intelligent Agent Technology

IAT 2012 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 2012 will foster the development of novel paradigms and advanced solutions in agent and multi-agent based computing.

AMT 2012

The 2012 International Conference on Active Media Technology

The rapid scientific and technological developments in human-centric, seamless interfaces, devices, connections, mobility, computing resources, computing environments and systems with their applications ranging from business and communication to entertainment and learning are collectively best characterized as Active Media Technology (AMT). AMT is a new area of intelligent information technology and computer science that emphasizes the proactive, seamless roles of interfaces, connections, and systems as well as new media in all aspects of digital life. An AMT based system offers active and transparent services to enable the rapid design, implementation and support of customized solutions. The first International Conference on Active Media Technology (AMT 2001) was held in Hong Kong in 2001. After 10 years went around the world, AMT 2012 will be held in conjunction with other 4 conferences in Macau where is very close to Hong Kong.

BI 2012

The 2012 International Conference on Brain Informatics

BI 2012 provides a leading international forum to bring together researchers and practitioners that explore the interplay between the studies of human brain and the research of informatics in diverse fields, such as computer science, information technology, artificial intelligence, Web intelligence, cognitive science, neuroscience, medical science, life science, economics, data mining, data and knowledge engineering, intelligent agent technology, human computer interaction, complex systems, and system science. On the one hand, studies on human brain model and characterize the functions of the human brain based on the notions of information processing systems. On the other hand, informatics-enabled brain studies, e.g., based on fMRI, EEG, MEG significantly broaden the spectrum of theories and models of brain sciences and offer new insights into the development of human-level intelligence. Web Intelligence centric information technologies are applied to support brain science studies. For instance, the wisdom Web and knowledge grids enable high-speed, large-scale analysis, simulation, and computation as well as new ways of sharing research data and scientific discoveries.

ISMIS 2012

The 20th International Symposium on Methodologies for Intelligent Systems

International Symposium on Methodologies for Intelligent Systems is an established and prestigious conference for exchanging the latest research results in building intelligent systems. Held twice every three years, the conference provides a medium for exchanging scientific research and technological achievements accomplished by the international community. The 20th International Symposium on Methodologies for Intelligent Systems - ISMIS 2012 is intended to attract individuals who are actively engaged both in theoretical and practical aspects of intelligent systems. The goal is to provide a platform for a useful exchange between theoreticians and

practitioners, and to foster the cross-fertilization of ideas in the following areas (but are not limited to): active media, human-computer interaction, autonomic and evolutionary computation, digital libraries, intelligent agent technology, intelligent information retrieval, intelligent information systems, intelligent language processing, knowledge representation and integration, knowledge discovery and data mining, knowledge visualization, logic for artificial intelligence, music information retrieval, soft computing, text mining, web intelligence, web mining, web services, social computing, and recommender Systems.

ICDM 2012

The Twelfth IEEE International Conference on Data Mining
Brussels, Belgium
December 10-13, 2012
<http://icdm2012.ua.ac.be/>

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 features workshops, tutorials, panels and, since 2007, the ICDM data mining contest.

Topics related to the design, analysis and implementation of data mining theory, systems and applications are of interest. These include, but are not limited to the following areas: data mining foundations, mining in emerging domains, methodological aspects and the KDD process, and integrated KDD applications, systems, and experiences. A detailed listing of specific topics can be found at the conference website.

BIBM 2011

IEEE International Conference on Bioinformatics & Biomedicine
Atlanta, Georgia, USA
November 12-15, 2011
<http://www.cs.gsu.edu/BIBM2011/>

IEEE BIBM 2011 will provide a general forum for disseminating the latest research in bioinformatics and biomedicine. It is a multidisciplinary conference that brings together academic and industrial scientists from computer science, biology, chemistry, medicine, mathematics and statistics. BIBM will exchange research results and address open issues in all aspects of bioinformatics and biomedicine and provide a forum for the presentation of work in databases, algorithms, interfaces, visualization, modeling, simulation, ontology and other computational methods, as applied to life science problems, with emphasis on applications in high throughput data-rich areas in biology, biomedical engineering. IEEE BIBM 2011 intends to attract a balanced combination of computer scientists, biologists, biomedical engineers, chemist, data analyzer, statistician.

ICTAI 2012

The Twenty-fourth IEEE International Conference on Tools with Artificial Intelligence
Boca Raton, USA
October 1-3, 2012

The annual IEEE International Conference on Tools with Artificial Intelligence (ICTAI) provides a major international forum where the creation and exchange of ideas related 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 technical aspects of specifying, developing and evaluating the theoretical underpinnings and applied mechanisms of the AI based components of computer tools (i.e. algorithms, architectures and languages).

Related Conferences

AAMAS 2012

The Eleventh International Conference on Autonomous Agents and Multi-Agent Systems
Valencia, Spain
June 4- 8, 2012
<http://aamas2012.webs.upv.es/>

The AAMAS conference series was initiated in 2002 in Bologna, Italy as a joint event comprising the 6th International Conference on Autonomous Agents (AA), the 5th International Conference on Multiagent Systems (ICMAS), and the 9th International Workshop on Agent Theories, Architectures, and Languages (ATAL). Subsequent AAMAS conferences have been held in Melbourne, Australia (July 2003), New York City, NY, USA (July 2004), Utrecht, The Netherlands (July 2005), Hakodate, Japan (May 2006), Honolulu, Hawaii, USA (May 2007), Estoril, Portugal (May 2008), Budapest, Hungary (May 2009), Toronto, Canada (May 2010), Taipei, Taiwan (May 2011). AAMAS 2012 will be held in June in Valencia, Spain.

AAMAS is the largest and most influential conference in the area of agents and multiagent systems, the aim of the conference is to bring together researchers and practitioners in all areas of agent technology and to provide a single, high-profile, internationally renowned forum for research in the theory and practice of autonomous agents and multiagent systems.

AAAI 2012

The Twenty-Sixth AAAI Conference on Artificial Intelligence
Toronto, Ontario, Canada
July 22-26, 2012

<http://www.aaai.org/Conferences/AAAI/aaai12>

The Twenty-Sixth Conference on Artificial Intelligence (AAAI 2012) will be held in will be held in Toronto, Ontario, Canada at the Sheraton Centre Toronto, from July 22–26, 2012. The purpose of the AAAI 2012 conference is to promote research in AI and scientific exchange among AI researchers, practitioners, scientists, and engineers in related disciplines. Details about the AAAI 2012 program will be published on <http://www.aaai.org/Conferences/AAAI/aaai12> as they become available.

SDM 2012**The Twelfth SIAM International Conference
on Data Mining**

Anaheim, California, USA

April 26- 28, 2012

<http://www.siam.org/meetings/sdm12/>

Data mining is an important tool in science, engineering, industrial processes, healthcare, business, and medicine. 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 theoretical and 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.

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.

IJCAI 2013**The Twenty-Third International Joint
Conference on Artificial Intelligence**

Beijing, China

August 5-9, 2013

<http://ijcai-2013.org/>

The Twenty-Third International Joint Conference on Artificial Intelligence IJCAI 2013 will be held in Beijing, China, August 5-9, 2013. Submissions are invited on significant, original, and previously unpublished research on all aspects of artificial intelligence. Details about the IJCAI 2013 program will be published on <http://ijcai-2013.org/> as they become available.