RELATED CONFERENCES, CALL FOR PAPERS/PARTICIPANTS

TCII Sponsored Conferences

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WI 2011
The 2011 IEEE/WIC/ACM International Conference on Web Intelligence
Lyon, France
August 22- 27, 2011
http://wi-iat-2011.org/

Web Intelligence (WI) explores the fundamental roles, interactions as well as practical impacts of Artificial Intelligence 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. The 2011 IEEE/WIC/ACM International Conference on Web Intelligence (WI 2011) will take place at the Campus Universitaire de la Doua, Lyon, France. WI 2011 will be co-located with the 2011 IEEE/ACM/WIC International Conference on Intelligent Agent Technology (IAT2011). WI 2011 will include a summer school providing in-depth background on subjects that are of broad interest to Web intelligence and Intelligent Agent Technology communities.

IAT 2011
The 2011 IEEE/WIC/ACM International Conference on Intelligent Agent Technology
Lyon, France
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The 2011 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT 2011) will be co-located with the 2011

IEEE/WIC/ACM International Conference on Web Intelligence (WI 2011). The IEEE/WIC/ACM 2011 joint conferences will take place at the Campus Universitaire de la Doua, Lyon, France.

IAT 2011 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 2011 will foster the development of novel paradigms and advanced solutions in agent based computing. The joint organization of IAT 2011 and WI 2011 will provide an opportunity for technical collaboration beyond the two distinct research communities.

ICDM 2010
The Tenth IEEE International Conference on Data Mining
Sydney, Australia
December 13-17, 2010
http://datamining.it.uts.edu.au/icdm10/

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 2010
IEEE International Conference on Bioinformatics & Biomedicine
Hong Kong
December 18-21, 2010
http://www.math.hkbu.edu.hk/BIBM2010/

IEEE BIBM 2010 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 2010 intends to attract a balanced combination of computer scientists, biologists, biomedical engineers, chemist, data analyzer, statistician.

ICTAI 2011
The Twenty-Third IEEE International Conference on Tools with Artificial Intelligence
Boca Raton，USA
October 1-3, 2011

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 2011
The Tenth International Conference on Autonomous Agents and Multi-Agent Systems
Taipei, Taiwan
May 2- 6, 2011
http://www.aamas2011.tw/

The AAMAS conference series was initiated in 2002, with the merger of three highly respected individual conferences, and has now reached its tenth anniversary. The aim of the joint conference is to provide a single, high-profile, internationally renowned forum for research in the theory and practice of autonomous agents and multiagent systems. The conference is sponsored by the International Foundation for Autonomous Agents and Multiagent Systems (IFAAMAS). AAMAS 2011 will take place at Taipei International Convention Center (TICC) in Taipei, Taiwan on May 2-6 2011. AAMAS is the premier scientific conference for research on autonomous agents and multiagent systems.

AAMAS is the leading scientific conference for research in autonomous agents and multiagent systems. The AAMAS conference series was initiated in 2002 by merging three highly-respected meetings: International Conference on Multi-Agent Systems (ICMAS); International Workshop on Agent Theories,

Architectures, and Languages (ATAL); and International Conference on Autonomous Agents (AA). The aim of the joint conference is to provide a single, high-profile, internationally-respected archival forum for scientific research in the theory and practice of autonomous agents and multiagent systems. AAMAS 2011 is the Tenth conference in the AAMAS series, following enormously successful previous conferences, and will be held at Taipei International Convention Center (TICC), Taipei, Taiwan. See the IFAAMAS web site for more information on the AAMAS conference series.

SDM 2011
2011 SIAM International Conference on Data Mining
Hilton Phoenix East/Mesa,
Mesa, Arizona, USA
April 23- 30, 2011
http://www.siam.org/meetings/sdm11/

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.

AAAI 2011
The Twenty-Fifth AAAI Conference on Artificial Intelligence
San Francisco, California
August 7-11, 2011
http://www.aaai.org/Conferences/AAAI/aaai11

The Twenty-Fifth Conference on Artificial

Intelligence (AAAI 2011) will be held in San Francisco, California at the Hyatt Regency San Francisco, from August 7-11, 2011. The purpose of the AAAI 2011 conference is to promote research in AI and scientific exchange among AI researchers, practitioners, scientists, and engineers in related disciplines. Details about the AAAI 2011 program will be published on http://www.aaai.org/Conferences/AAAI/aaai11 as they become available.

IJCAI 2011
The Twenty-Second International Joint Conference on Artificial Intelligence
Barcelona, Catalonia, Spain
July 16-22, 2011
http://ijcai-11.iiia.csic.es

The Twenty-Second International Joint Conference on Artificial Intelligence IJCAI 2011 will be held in Barcelona, Spain, July 16-22, 2011. Submissions are invited on significant, original, and previously unpublished research on all aspects of artificial intelligence. The theme of IJCAI 2011 is "Integrated and Embedded Artificial Intelligence" (IEAI) with a focus on artificial intelligence that crosses discipline boundaries within AI, and between AI and other disciplines. Building systems often requires techniques from more than one area (e.g. both machine learning and natural language processing, or both planning and preference representation). In addition, larger systems often have AI components embedded within that provide intelligent functionalities such as learning and reasoning. The conference will include a special track dedicated to such work.

AMT 2011
The 2011 International Conference on Active Media Technology
Lanzhou, China
September 7-9, 2011
http://wi-consortium.org/conferences/amtbi11/

In the great digital era, we are witnessing many rapid scientific and technological developments in human-centred, seamless computing environments, interfaces, devices, and systems with applications ranging from business and communication to entertainment and learning. These developments are collectively best characterized as Active Media Technology

(AMT), a new area of intelligent information technology and computer science that emphasizes the proactive, seamless roles of interfaces and systems as well as new media in all aspects of digital life. An AMT based system offers 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, the second International Conference on Active Media Technology (AMT 2004) was held in Chongqing, China in May 29-31 of 2004, the third International Conference on Active Media Technology (AMT 2005) was held in Kagawa, Japan in May 2005, the fourth International Conference on Active Media Technology (AMT 2006) was held in Brisbane, Australia in June 7-9, 2006, the fifth International Conference on Active Media Technology (AMT 2009) was held in Beijing, China in October 22-24, 2009, and the sixth International Conference on Active Media Technology (AMT 2010) was held in Toronto, Canada in August 28-30, 2010. Following the success of AMT 2001, AMT 2004, AMT 2005, AMT 2006, AMT 2009, and AMT 2010 the seventh International Conference on Active Media Technology (AMT 2011) will be held in Lanzhou, China in September 7-9, 2011.

Active Media Technology 2011 will be jointly held with the 2011 International Conference on Brain Informatics (BI 2011). The WIC has decided to organize AMT'11 in memoriam of Herbert A. Simon. The two conferences will have a joint opening, keynote, reception, and banquet. Attendees only need to register for one conference and can attend workshops, sessions, exhibits and demonstrations across

the two conferences.

BI 2011
The 2011 International Conference on Brain Informatics
Lanzhou, China
September 7-9, 2011
http://wi-consortium.org/conferences/amtbi11/

Brain Informatics (BI) has recently emerged as an interdisciplinary research field that focuses on studying the mechanisms underlying the human information processing system (HIPS). It investigates the essential functions of the brain, ranging from perception to thinking, and encompassing such areas as multi-perception, attention, memory, language, computation, heuristic search, reasoning, planning, decision-making, problem-solving, learning, discovery, and creativity. The goal of BI is to develop and demonstrate a systematic approach to achieving an integrated understanding of both macroscopic and microscopic level working principles of the brain, by means of experimental, computational, and cognitive neuroscience studies, as well as utilizing advanced Web Intelligence (WI) centric information technologies. BI represents a potentially revolutionary shift in the way that research is undertaken. It attempts to capture new forms of collaborative and interdisciplinary work. In this vision, new kinds of BI methods and global research communities will emerge, through infrastructure on the wisdom Web and knowledge grids that enables high speed and distributed, large-scale analysis and computations, and radically new ways of sharing data/knowledge.

Brain Informatics 2011 provides a leading international forum to bring together researchers and practitioners from 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, to explore the main research problems in BI lie in the interplay between the studies of human brain and the research of informatics. On the one hand, one models and characterizes the functions of the human brain based on the notions of information processing systems. WI 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. 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 on the wisdom Web and knowledge grids.

Brain Informatics 2011 will be jointly held with the 2011 International Conference on Active Media Technology (AMT 2011). The WIC has decided to organize BI'11 in memoriam of Herbert A. Simon. The two conferences will have a joint opening, keynote, reception, and banquet. Attendees only need to register for one conference and can attend workshops, sessions, exhibits and demonstrations across the two conferences.