

# RELATED CONFERENCES, CALL FOR PAPERS/PARTICIPANTS

## TCII Sponsored Conferences

### WI 2015

#### The 2015 IEEE/WIC/ACM International Conference on Web Intelligence

Singapore

December 6-9, 2015

<http://wi-iat15.ntulily.org/wi/>

The 2015 IEEE/WIC/ACM International Conference on Web Intelligence (WI'15) and the 2015 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'15) will be held in Singapore December 6-9, 2015, hosted by the Joint NTU-UBC Research Centre of Excellence in Active Living for the Elderly (LILY) at Nanyang Technological University (NTU) and the Living Analytics Research Centre at Singapore Management University (SMU). The two co-located conferences are sponsored by IEEE Computer Society Technical Committee on Intelligent Informatics (TCII), Web Intelligence Consortium (WIC), ACM-SIGART, and the Memetic Computing Society.

Following the great successes of WI-IAT'01 held in Maebashi, Japan, WI-IAT'03 in Halifax, Canada, WI-IAT'04 in Beijing, China, WI-IAT'05 in Compiegne, France, WI-IAT'06 in Hong Kong, WI-IAT'07 in Silicon-Valley, USA, WI-IAT'08 in Sydney, Australia, WI-IAT'09 in Milano, Italy, WI-IAT'10 in Toronto, Canada, WI-IAT'11 in Lyon, France, WI-IAT'12 in Macau, China, WI-IAT'13 in Atlanta, USA, and WI-IAT'14 in Warsaw, Poland, the WI-IAT'15 will provide a global forum for scientists, engineers and educators to present the latest WI-IAT technologies, discuss how to develop future intelligent systems for complex applications. We will celebrate the common theme of Big Data in Global Brain and Social Networks. We will also encourage industry sessions representing both local and international companies developing solutions and running projects related to those areas.

WI-IAT'15 will have various workshops, WI-IAT technical sessions, tutorials and panels. WI-IAT'15 will have keynotes, a social reception together with the poster session and industry demo, and a banquet. Attendees only need to register once to attend all technical events at WI- IAT'15.

Web Intelligence focuses on scientific research and applications by jointly using 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) for the next generation of Web-empowered products, systems, services, and activities.

IAT 2015 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. Intelligent Agent Technology explores advanced intelligent systems and their broad applications in computer science and engineering, big data mining, biomedical informatics, health informatics, social networks, education, robotics, security, etc.

### IAT 2015

#### The 2015 IEEE/WIC/ACM International Conference on Intelligent Agent Technology

Singapore

December 6-9, 2015

<http://wi-iat15.ntulily.org/iat/>

The 2015 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'15) will be held in Singapore on December 6-9, 2015, hosted by the Joint NTU-UBC Research Centre of Excellence in Active Living for the Elderly (LILY) at Nanyang Technological University (NTU) and the Living Analytics Research Centre at Singapore Management University (SMU). Co-located with the 2015 IEEE/WIC/ACM International Conference on Web Intelligence (WI'15), IAT'15 is sponsored by IEEE Computer Society Technical Committee on Intelligent Informatics (TCII), Web Intelligence Consortium (WIC), ACM-SIGAI, and Memetic Computing Society.

IAT'15 will feature special thematic workshops, technical sessions, tutorials and panels. Conference programme will further include a welcome reception, keynotes, demos, poster sessions, and a banquet. Attendees only need one registration to attend all technical events.

### ICDM 2015

#### The Twenty-Second IEEE International Conference on Data Mining

Atlantic City, NJ, USA

November 14-17, 2015

<http://icdm2015.stonybrook.edu/>

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. 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.

**ISMIS 2015****The 22nd International Symposium on Methodologies for Intelligent Systems**

Lyon, France

October 21-23, 2015

<http://liris.cnrs.fr/ismis15/>

ISMIS 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 scope of ISMIS is intended to represent a wide range of topics on applying Artificial Intelligence techniques to areas as diverse as decision support, automated deduction, reasoning, knowledge based systems, machine learning, computer vision, robotics, planning, databases, information retrieval, etc. The focus is on research in intelligent systems. The conference addresses issues involving solutions to problems that are complex to be solved through conventional approaches and that require the simulation of intelligent thought processes, heuristics and applications of knowledge. The integration of these multiple approaches in solving complex problems is of particular importance. ISMIS provides a forum and a means for exchanging information for those interested purely in theory, those interested primarily in implementation, and those interested in specific research and industrial applications.

**ICHI 2015****The IEEE International Conference on Healthcare Informatics**

Dallas, USA

October 21-23, 2015

<http://multimedia.utdallas.edu/ichi2015/>

ICHI 2015 is the premier community forum concerned with the application of computer science principles, information science principles, information technology, and communication technology to address problems in healthcare, public health, and everyday wellness. The conference highlights the most novel technical contributions in computing-oriented health informatics and the related social and ethical implications.

ICHI 2015 will be held in Dallas, Texas USA on October 21-23, 2015. It will be a forum for demo and paper contributions from researchers, practitioners, developers, and users to explore and disseminate cutting-edge ideas and results, and to exchange techniques, tools, and experiences.

**Related Conferences****AAMAS 2015****The 14th International Conference on Autonomous Agents and Multi-Agent Systems**

Istanbul, Turkey

May 5-8, 2015

<http://www.aamas2015.com/en/>

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: the International Conference on Multi-Agent Systems (ICMAS); the International Workshop on Agent Theories, Architectures, and Languages (ATAL); and the 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.

**AAAI 2015****The 29th AAAI Conference on Artificial Intelligence**

Austin Texas, USA

January 25-30, 2015

<http://www.aaai.org/Conferences/AAAI/aaai15>

The Twenty-Ninth AAAI Conference on Artificial Intelligence (AAAI'15) will be held January 25-30, 2015 at the Hyatt Regency in Austin, Texas, USA. The purpose of this conference is to promote research in artificial intelligence (AI) and scientific exchange among AI researchers, practitioners, scientists, and engineers in affiliated disciplines. AAAI'15 will have a diverse technical track, student abstracts, poster sessions, invited speakers, tutorials, workshops, and exhibit/competition programs, all selected according to the highest reviewing standards. AAAI'15 welcomes submissions on

mainstream AI topics as well as novel crosscutting work in related areas.

**SDM 2015****The Fifteenth SIAM International Conference on Data Mining**

Vancouver, British Columbia, Canada

Apr 30 - May 2, 2015

<http://www.siam.org/meetings/sdm15/>

Data mining is the computational process for discovering valuable knowledge from data. It has enormous application in numerous fields, including science, engineering, healthcare, business, and medicine. Typical datasets in these fields are large, complex, and often noisy. Extracting knowledge from these datasets requires the use of sophisticated, high-performance, and principled analysis techniques and algorithms, which are based on sound theoretical and statistical foundations. These techniques in turn require implementations on high performance computational infrastructure that are carefully tuned for performance. Powerful visualization technologies along with effective user interfaces are also essential to make data mining tools appealing to researchers, analysts, and application developers from different disciplines.

The SDM 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 presentations and tutorials (included with conference registration). A set of focused workshops is 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 2015****The Twenty-Third International Joint Conference on Artificial Intelligence**

Buenos Aires, Argentina

July 25-31, 2015

<http://ijcai-15.org/>

IJCAI is the International Joint Conference on Artificial Intelligence, the main international

gathering of researchers in AI. Held biennially in odd-numbered years since 1969, IJCAI is sponsored jointly by IJCAI and the national AI society(s) of the host nation(s). IJCAI is a not-for-profit scientific and educational organization incorporated in California. Its major objective is dissemination of information and cutting-edge research on Artificial Intelligence through its Conferences, Proceedings and other educational materials.

IJCAI Board of Trustees in its historical meeting held on Thursday, July 21, 2011 in Barcelona, Catalonia, Spain, decided that IJCAI conferences will be held annually in the future. Following the success of IJCAI-13 held in Beijing, China, IJCAI'15 will be held in Buenos Aires, Argentina. IJCAI'16 will be held in New York, USA and IJCAI'17 in Melbourne, Australia.