RELATED CONFERENCES, CALL FOR PAPERS/PARTICIPANTS

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TCII Sponsored Conferences

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WI 2010
The 2010 IEEE/WIC/ACM International Conference on Web Intelligence
Toronto, Canada
August 31- September 3, 2010
http://www.yorku.ca/wiiat10/

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 2010 IEEE/WIC/ACM International Conference on Web Intelligence (WI 2010) will be jointly held with the 2010 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT 2010). The IEEE/WIC/ACM 2010 joint conferences are organized by York University, Toronto Canada, and sponsored by IEEE Computer Society Technical Committee on Intelligent Informatics (TCII), Web Intelligence Consortium (WIC), and ACM-SIGART.

WI 2010 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 2010 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. A doctoral mentoring program will be also organized.

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IAT 2010
The 2010 IEEE/WIC/ACM International Conference on Intelligent Agent Technology
Toronto, Canada
August 31- September 3, 2010
http://www.yorku.ca/wiiat10/

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IAT 2010 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 2010 will foster the development of novel paradigms and advanced solutions in agent based computing. The joint organization of IAT 2010 and WI 2010 will provide an opportunity for technical collaboration beyond the two distinct research communities. A doctoral mentoring program will be also organized.

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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.

ICDM proceedings are published by the IEEE Computer Society Press. A selected number of ICDM accepted papers will be expanded and revised for possible inclusion in the KAIS journal (Knowledge and Information Systems, by Springer-Verlag) each year. This will be mentioned in all calls for papers of the ICDM conference. KAIS will publish the calls for papers of the ICDM conferences once a year without any charges, by the conference

organizers' request, to publicize the mutual support for the success of ICDM and KAIS.

Related Conferences

AAMAS 2010
The Ninth International Conference on Autonomous Agents and Multi-Agent Systems
Toronto, Canada
May 10-14, 2010
http://www.cse.yorku.ca/AAMAS2010/

AAMAS 2010, the 9th International Conference on Autonomous Agents and Multiagent Systems will take place at the Sheraton Centre Toronto Hotel in downtown Toronto Canada, on May 10-14 2010. 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 2010 is the Ninth conference in the AAMAS series, following enormously successful previous conferences, and will be held at the Sheraton Centre Toronto Hotel in downtown Toronto. See the IFAAMAS wb site for more information on the AAMAS conference series.

AAMAS 2010 seeks high-quality submissions of full papers, limited to 8 pages in length. Submissions will be rigorously peer reviewed and evaluated on the basis of originality, soundness, significance, presentation, understanding of the state of the art, and overall quality of their technical contribution. Reviews will be double blind; authors must avoid including anything that can be used to identify them. Where submission is

for full (8 page) papers only, in some cases they may be accepted as 2 page extended abstracts. Please see the formatting instructions.

In addition to submissions in the main track, AAMAS is soliciting papers in two special tracks on robotics, and on virtual agents (see below). The review process for the special tracks will be the same as for the main track, but with specially-selected program committee members. Special Track on Robotics (Chair: Michael Beetz): Papers on theory and applications concerning single and multiple robots will be welcome, namely those focusing on real robots interacting with their surrounding environments. The goal is to foster interaction between researchers on agent and robotics systems, so as to provide a cradle for cross-fertilization of concepts from both fields. Special Track on Virtual Agents (Chair: Stacy Marsella): Virtual agents are embodied agents in interactive virtual or physical environments that emulate human-like behavior. We encourage papers on the design, implementation, and evaluation of virtual agents as well as challenging applications featuring them. The goal is to provide an opportunity for interaction and cross-fertilization between the AAMAS community and researchers working on virtual agents and to strengthen links between the two communities.

SDM 2010
2010 SIAM International Conference on Data Mining
Columbus, Ohio, USA
April 29-May 1, 2010
http://www.siam.org/meetings/sdm10/

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 2010
The Twenty-Fourth AAAI Conference on Artificial Intelligence
Atlanta, Georgia, USA
July 11-15, 2010
http://www.aaai.org/Conferences/AAAI/aaai10.php/

AAAI 2010 is the Twenty-Fourth AAAI Conference on Artificial Intelligence (AI). 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 2010 will have multiple technical tracks, student abstracts, poster sessions, invited speakers, and exhibit programs, all selected according to the highest reviewing standards.

AAAI 2010 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; Constraint satisfaction and optimization; Evolutionary computation; Game playing and interactive entertainment; Information integration and extraction; Knowledge acquisition and ontologies; Knowledge representation and reasoning; Machine learning and data mining; Model-based systems; Multiagent systems; Natural language processing; Planning and scheduling; Probabilistic reasoning; Robotics; Search Papers that extend the state of the art, and explore parts of the design space of AI that are not well explored are particularly encouraged. A full list of keywords is available.