Related Conferences & Career Opportunities

TCCI Sponsored Conferences

WI 2003
The 2003 IEEE/WIC International Conference on Web Intelligence
Beijing, China
Oct 13-17, 2003
http://www.comp.hkbu.edu.hk
/WI03/
Submission Deadline: March 20, 2003

Web Intelligence (WI) is a new direction for scientific research and development that explores the fundamental roles as well as practical impacts of Artificial Intelligence (AI) and advanced Information Technology (IT) on the next generation of Web-empowered products, systems, services, and activities. It is the key and the most urgent research field of IT in the era of World Wide Web and agent intelligence. The IEEE/WIC 2003 joint conferences are sponsored and organized by IEEE Computer Society Technical Committee on Computational Intelligence (TCCI) and by Web Intelligence Consortium (WIC), an international organization dedicated to the promotion of world-wide scientific research and industrial development in the era of Web and agent intelligence.

The technical issues to be addressed include, but not limited to: Intelligent Web-Based Business, Knowledge Networks and Management, Ubiquitous Computing and Social Intelligence, Intelligent Human-Web Interaction, Web Information Management, Web Information Retrieval, Web Agents, Web Mining and Farming, Emerging Web Technology.

IAT 2003
The 2003 IEEE/WIC International Conference on Intelligent Agent Technology
Beijing, China
Oct 13-17, 2003
http://www.comp.hkbu.edu.hk
/IAT03/
Submission Deadline: March 20, 2003

The 2003 IEEE/WIC International Conference on Intelligent Agent Technology (IAT 2003) is a high-quality, high-impact agent conference, which is jointly held with the 2003 IEEE/WIC International Conference on Web Intelligence (WI 2003). The IEEE/WIC 2003 joint conferences are sponsored and organized by IEEE Computer Society Technical Committee on Computational Intelligence (TCCI) and by Web Intelligence Consortium (WIC), an international organization dedicated to the promotion of world-wide scientific research and industrial development in the era of Web and agent intelligence.

The upcoming meeting in this conference series follows the great success of IAT-99 held in Hong Kong in 1999 (http://www.comp.hkbu.edu.hk/IAT99/) and IAT-01 held in Maebashi City, Japan in 2001 (http://kis.maebashi-it.ac.jp/iat01/). The aim of IAT 2003 is 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. The technical issues to be addressed include, but not limited to: Applications, Computational Models, Architecture, and Infrastructure, Autonomy-Oriented Computation (AOC) Paradigm, Learning and Self-Adapting Agents, Data and Knowledge Management Agents, and Distributed Intelligence.

ICDM'03
The Third IEEE International Conference on Data Mining
Melbourne, Florida, USA
November 19-22, 2003
http://www.cs.uvm.edu
/~xwu/icdm-03.html
Submission Deadline: June 10, 2003

The 2003 IEEE International Conference on Data Mining (IEEE ICDM '03) provides a leading international forum for the sharing of original research results and practical development experiences among researchers and application developers from different data mining related areas such as machine learning, automated scientific discovery, statistics, pattern recognition, knowledge acquisition, soft computing, databases and data warehousing, data visualization, and knowledge-based systems. The conference seeks solutions to challenging problems facing the development of data mining systems, and shapes future directions of research by promoting high quality, novel and daring research findings. As an important part of the conference, the workshops program will focus on new research challenges and initiatives, and the tutorial program will cover emerging data mining technologies and the state-of-the-art of data mining developments.

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: foundations of data mining, data mining algorithms and methods in traditional areas (such as classification, clustering, probabilistic modeling, and association analysis), and in new areas, mining text and semi-structured data, and mining temporal, spatial and multimedia data, data and knowledge representation for data mining, complexity, efficiency, and scalability issues in data mining, data pre-processing, data reduction, feature selection and feature transformation, post-processing of data mining results, statistics and probability in large-scale data mining, soft computing (including neural networks, fuzzy logic, evolutionary computation, and rough sets) and uncertainty management for data mining, integration of data warehousing, OLAP and data mining, human-machine interaction and visualization in data mining, and visual data mining, high performance and distributed data mining, machine learning, pattern recognition and scientific discovery, quality assessment and interestingness metrics of data mining results, process-centric data mining and models of data mining process, security, privacy and social impact of data mining, and data mining applications in electronic commerce, bioinformatics, computer security, Web intelligence, intelligent learning database systems, finance, marketing, healthcare, telecommunications, and other fields.

ICTAI'02
The Fourteenth IEEE International Conference on Tools with Artificial Intelligence
Washington D.C., USA
November 4-6, 2002
http://www.nvc.cs.vt.edu:8086/

The annual ICTAI conference is an international forum for the exchange of ideas relating to artificial intelligence (AI) among academia, industry, and government agencies. It fosters the creation and transfer of such ideas, and promotes their cross-fertilization over all AI application domains and AI paradigms through a unifying theme: AI Tools. ICTAI focuses on both theory and developing, implementing, and evaluating theoretical and applied frameworks that may serve as tools for developing intelligent systems and pursuing AI applications.

We invite paper submissions that include but are not limited to the following topics: AI algorithms, AI in software engineering, cognitive modeling, collaborative software agents, fuzzy logic and reasoning under uncertainty, genetic algorithms, intelligent tutoring/training systems, intelligent internet agents, intelligent interface agents, environmental applications, AI in data mining, intelligent information retrieval, AI in database, knowledge sharing, machine learning, natural language processing and speech understanding, neural networks, planning and scheduling, qualitative reasoning, vision and image processing, AI in multimedia systems, hybrid intelligent systems, and AI in real-time applications.

Other Computational Intelligence Conferences

AAMAS'03
The Second International Joint Conference on Autonomous Agents and Multi-Agent Systems
Melbourne, Australia
July 14-18, 2003
http://www.aamas-conference.org

Agents are one of the most prominent and attractive technologies in computer science at the beginning of the new millennium. The technologies, methods, and theories of agents and multi-agent systems are currently contributing to many diverse domains such as information retrieval, user interfaces, electronic commerce, robotics, computer mediated collaboration, computer games, education and training, ubiquitous computing, and social simulation. They not only are a very promising technology, but are also emerging as a new way of thinking, a conceptual paradigm for analyzing problems and for designing systems, for dealing with complexity, distribution, and interactivity, while providing a new perspective on computing and intelligence. The AAMAS conferences aim to bring together the world's researchers active in this important, vibrant, and rapidly growing field.

The AAMAS conference series was initiated in 2002 as a merger of three highly respected individual conferences (ICMAS, AGENTS, and ATAL). 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.

IDEAL'03
The Fourth International Conference on Intelligent Data Engineering and Automated Learning
Hong Kong, China
March 21-23, 2003
http://www.comp.hkbu.edu.hk/~ideal03/
Submission Deadline: Dec 31, 2002

As a biennial conference, IDEAL was firstly launched from Hong Kong in 1998, which is dedicated to emerging and challenging topics in intelligent data analysis and engineering and their associated learning paradigms. Following the past highly successful IDEAL'98, IDEAL'00 and IDEAL'02, IDEAL will become an annual conference starting from 2003. The fourth conference will aim to provide a forum for researchers and engineers from academia and industry to meet and to exchange ideas on the latest developments in data engineering and learning, and to share their successes. IDEAL is an ideal forum for revealing and developing the latest theoretical advances and practical applications in intelligent

data engineering and automated learning.

Topics of interest include statistical learning, data mining, agents, bioinformatics, multimedia information and financial engineering

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AWIC'03
The 2003 Atlantic Web Intelligence Conference
Madrid, Spain
5-7 May 2003
http://nova.ls.fi.upm.es/
~ernes/webconference/AWIC03.htm
Submission Deadline: Jan 10, 2003

The 2003 Atlantic Web Intelligence Conference 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 Artificial Intelligence Techniques applied to Web Based Systems, and discuss the practical challenges encountered and the solutions adopted.

The conference will cover a broad set of Artificial Intelligence Techniques, such as (but not restricted to): agents, artificial life, case based reasoning, fuzzy logic, genetic algorithms, genetic programming , knowledge based systems, multivalued logic, neural networks, ontologies, probabilistic and evidential Reasoning, reinforcement learning, rough sets, and semantic networks; applied to the corresponding problem(s) of a Web based system such as (but not restricted to): art of web design, automatic Web content design and production, automatic Web page generation, conversational systems, customer/user profiling and clustering, electronic marketplaces, e-mail and SMS filtering and production, information retrieval, negotiation systems, price dynamics and pricing algorithms, purchasing behaviour, recommender systems, remembrance systems, security, privacy, integrity and trust, virtual hosts and virtual agents, Web browsing and exploration, Web

merchandising, marketing and publishing, Web personalisation, and Web-log mining.

IJCAI'03
The Eighteenth International Joint Conference on Artificial Intelligence
Acapulco, Mexico
August 9-15, 2003
http://www.ijcai-03.org/
1024/index.html
Submission Deadline: Jan 14, 2003

The IJCAI-03 Program Committee invites submissions of full technical papers for IJCAI-03, to be held in Acapulco, Mexico, August 9-15, 2003. Submissions are invited on substantial, original, and previously unpublished research on all aspects of Artificial Intelligence. Refer to the web site for the list of related keywords.

ISMIS 2003
The Fourteenth International Symposium on Methodologies for Intelligent Systems
Maebashi TERRSA, Maebashi City, Japan
Oct 28-31, 2003
http://www.wi-lab.com/ismis03/
Submission Deadline: March 10, 2003

This Symposium 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: active media human-computer interaction, autonomic and evolutionary computation, intelligent agent technology, intelligent information retrieval, intelligent information systems, knowledge representation and integration, knowledge discovery and data mining, logic for artificial intelligence, soft computing, and Web intelligence. In addition, we solicit papers dealing with Applications of Intelligent Systems in complex/novel domains, e.g. human genome, global

change, manufacturing, health care, etc.

INMIC 2002
International Multi-topic Conference
Karachi, Pakistan
Dec 27-28, 2002
http://ewh.ieee.org
/r10/karachi/inmic2002/

INMIC (International Multi-topic Conference) has been annually organized by the IEEE Pakistan for last many years. In 2002, the IEEE Karachi is sponsoring the conference with KIIT (Karachi Institute of Information Technology) as a Co-Sponsor with the Technical Co-sponsorships of Computer Society & Communications Society Karachi Chapters. Scope and areas of the conference include: databases, Internet Systems & Security, visualization and graphics, knowledge applications, agent technologies, e-commerce, distributed systems, electronic data interchange, software engineering, human computer interaction, pattern recognition, speech recognition & synthesis, computer vision, high performance computing, numerical computing, digital signal processing, wireless communications, bio informatics.

Career Opportunities

Dorothean Professor in Computer Science at the University of Vermont
http://www.cs.uvm.edu
/jobs/cssearch.shtml
Apply by January 20, 2003

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Assistant / Associate Professors in Computer Science at Hong Kong Baptist University
http://www.comp.hkbu.edu.hk/
temp/Ad-2003-COMP-AP.txt
Apply by February 28, 2003

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Two tenure-track Assistant / Associate Professor positions in Computer Science at the University of Central Arkansas
http://www.cs.uca.edu/ad.htm
Application review will begin on
December 1, 2002 and continue until
positions are filled.