

In conjunction with AINA 2006

The IEEE 20th International Conference on Advanced Information Networking and Applications

<http://www.takilab.k.dendai.ac.jp/conf/aina/2006>

Workshop Organizers

Dr. Elhadi Shakshuki
Acadia University, Canada
Dr. M. Younas
Oxford Brookes University, UK
Dr Kuo-Ming Chao
Coventry University, UK

Program Committee

- Alex Gray, Cardiff University, UK
- Andre Trudel, Acadia University, Canada
- Athman Bouguettaya, Virginia Tech., USA
- Barry Eaglestone, University of Sheffield, UK
- Christophe Claramunt, Naval Academy, France
- Chi-Chun Lo, National Chiao Tung University, Taiwan
- David Duce, Oxford Brookes University, UK
- Ee-Peng Lim, Nanyang Technological University, Singapore
- Genoveva Vargas Solar, National Research Council of Scientific Research, France
- Ghazi I. Alkhatib, Qatar University, Qatar
- Irfan Awan, University of Bradford, UK
- Ismail Khalil Ibrahim, Johannes Kepler University of Linz, Austria
- Ivan Tomek, Acadia University, Canada
- Jen-Yao Chung, IBM T. J. Watson Research Center, USA
- Jianhua Ma, Hosei University, Japan
- John Nealon, Oxford Brookes University, UK
- Kwei-Jay Lin, University of California, USA
- Laurence T. Yang, St. Francis Xavier University, Canada
- Leonard Barolli, Fukuoka Institute of Technology, Japan
- Liping Ma, University of Ballarat, Australia
- Makoto Takizawa, Tokyo Denki University, Japan
- Michael Sheng, University of New South Wales, Australia
- Norman Revell, Middlesex University, UK
- Qusay H. Mahmoud, University of Guelph, Canada
- Rachid Anane, Coventry University, UK
- S.M.F.D Syed Mustapha, University of Malaya, Malaysia
- Tomasz Müldner, Acadia University, Canada
- Von-Wun Soo, National Tsing-Hua University, Taiwan
- Weiming Shen, National Research Council, Canada
- Ying Huang, IBM T. J. Watson Research Center, USA
- Yinsheng Li, Fudan University, China
- Zakaria Maamar, Zayed University, UAE

Important Dates

| | |
|---------------------|-------------------|
| Paper Submission | October 10, 2005 |
| Author Notification | November 15, 2005 |
| Author Registration | December 15, 2005 |
| Camera-ready Paper | December 15, 2005 |

Recent technological advances in the Web, Internet and mobile devices offer exciting ways to distributed and large scale complex information systems in various domains such as e-business, healthcare, entertainment, and scientific activities. To effectively process such information, researchers from different disciplines have been exploring new ideas and developing new approaches. In database research community, researchers have developed a wealth of techniques including, efficient query processing, transaction management, indexing algorithms, efficient data distribution. Similarly, agent research community have developed many techniques and tools to construct large scale complex, self organising and autonomous systems with capabilities of effective problem solving, communication, knowledge representation, negotiating on complex issues and coordinating complex activities. In addition to that, network research community has developed numerous models and protocols to efficiently and reliably communicate data between different distributed systems in large scale and complex networks which are used by large population of users across the globe.

Much work in the above disciplines has traditionally been operating on different levels, distinct research issues, and several technology directions. Our theme of WAMIS 2006 is to unify the picture of these disciplines such that they can support each other. We are currently witnessing that the boundaries between these disciplines are disappearing. For example, multi-agents have been used at the network as well as database levels. Likewise, database techniques are applied to multi-agents and to the network data management.

This workshop aims to bring together researchers from the above disciplines in an effort to highlight the state-of-the-art and discuss the challenges and opportunities to explore new research directions and develop new ideas. We strongly welcome submissions that include results which advance the state of the art relating to the theme of the workshop, either through theoretical analysis or experimental analysis, in order to bridge the gaps and strengthen the connection between these areas. The main themes, to be addressed include, but not limited to:

- Agent and multi-agent systems and their applications
- Architectures for Web and mobile information systems
- Data models and query languages
- Human-Web agent interactions
- Information searching techniques
- Network performance and reliability
- P2P data and knowledge sharing
- Semantic web and grid services
- Transaction and workflow models
- Web services architectures and protocols

Submission Instructions

Only full papers in English will be accepted. The length of the paper is limited to 6 single-spaced double column IEEE format pages. Papers may only be submitted electronically through the workshop website. All papers will be reviewed by at least two reviewers. The WAMIS workshop accepted papers will be published by IEEE CS Press. Authors of high quality papers presented in the workshop will be invited to submit extended version of their papers for publication to a journal (to be announced).

Contact

Dr. Elhadi Shakshuki, Acadia University, Canada, Elhadi.Shakshuki@acadiau.ca
Dr. M. Younas, Oxford Brookes University, UK, m.younas@brookes.ac.uk
Dr Kuo-Ming Chao, Coventry University, UK, k.chao@coventry.ac.uk