CALL FOR PAPERS

Advanced Workshop on Content Computing

AWCC 2004

Zhenjiang, Jiangsu, PR China, 15-17 November 2004
Sponsored by:
Tsinghua University, Beijing, PR China
Jiangsu University, Zhenjiang, Jiangsu, PR China
Website: http://www.i-awcc.org

Scope – Internet is the key infrastructure for information dissemination, education, business and entertainment. While the client-server model has been its most widely adopted paradigm for WWW, the desire of providing more value-added services at the delivery layer has led to the concept of active network, where content-driven, intelligent computation will be performed to provide quality-of-service for content presentation and best-fit client demand. These value-added services typically aims to enhance information security, pervasive Internet access, application robustness, system/network performance, knowledge extraction, …, etc. by incorporating sophisticated mechanisms at the delivery layer that is transparent to the content providers and web surfers. Consequently, the notion of "Content Computing" has emerged. Content computing is a new paradigm for coordinating distributed systems and intelligent networks based on peer-to-peer model and with value-added processing of the application-specific contents at the delivery layer. This paradigm is especially useful to pervasive light-weight client devices such as mobile and portable end-user terminals with wide variation of hardware/software configurations.

Topics of Interests AWCC 2004 invites state-of-the-art research submissions on all topics related to content computing, including (but not limiting) to the following:

Knowledge extraction and content retrieval
Mining data, text, and web
Data aggregation
Content sharing and consistency management
Content distribution and routing
Pervasive content presentation
Mobile code and software agents
Multimedia document format and content ubiquity
Networking infrastructure
Content aware service architectures
Web service, middleware, and workflow
Performance study
Pervasive Internet QoS
Systems and network security infrastructure
Behavioral access control and content security
Operation risk management
Content aware security and data integrity
Privacy and legal issue

Program Chairs

Kwok-Yan Lam, Tsinghua University
Chi-Hung Chi, National University of Singapore

Program Committee

Jiannong Cao, HK Polytechnic University
Chin-Chen Chang, Chung Cheng University
Mao Chen, Princeton University
Chi-Hung Chi, National University of Singapore
Siu-Leung Chung, Open University of Hong Kong
Chen Ding, Ryerson University
Zongming Fei, University of Kentucky
Chen Li, University of California, Irvine
Li Gong, Sun Microsystems, Inc.
Ming Gu, Tsinghua University
Kwok-Yan Lam, Tsinghua University

Vincent Tam, University of Hong Kong
Zhang Xiao Dong, NSF and College of Mary & William

Executive Committee

Shi-guang Ju, Jiangsu University (Organizing Chair)
Hua-ji Shi, Jiangsu University
Xing-yi Li, Jiangsu University
Xi-bin Zhao, Jiangsu University

Submission

Original unpublished technical papers of 3000 5000 words are welcome. We also encourage work-in-progress reports on new problems and ideas. All papers will be evaluated based on the relevance, significance, originality, clarity, and technical merit. Please submit technical papers in PDF format through the submission form on the conference website: http://www.i-awcc.org

The proceedings of AWCC 2004 will be published by Springer-Verlag as a volume in the Lecture Notes in Computer Science (LNCS).

Important Dates

2004/06/04: Nominal deadline for submissions
2004/06/11: Extended deadline for submissions
2004/07/15: Acceptance notification
2004/08/15: Camera-ready papers due