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
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Kwok-Yan Lam, Tsinghua University
Submission
Original unpublished technical papers of 3000 to 5000 words are welcome.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