Distributed Media Technologies and Applications

Special Issue of **IEEE Transactions on Multimedia**

Guest Editors: **Rynson W.H. Lau**, **Benjamin Wah**, **Qing Li**, **David C.L. Liu** and **José Encarnação**

Aims:

Due to the popularity of the Internet, we are seeing more and more sophisticated techniques being developed to support media applications in a distributed environment. These applications include distributed image/audio/video retrieval systems, distributed search engines, and distributed virtual environments. In order for these applications to serve potentially a large number of concurrent users while maintaining system interactivity, we are also seeing more research effort on server architectures and other supporting technologies, such as networking, data delivery and data distribution. In this special issue, we call for papers that present recent development on distributed media technologies, distributed media server technologies, and distributed media applications.

Topics:

In this special issue, we call for original papers that describe novel distributed media technologies and their applications. We are particularly interested in systems that are applicable for the Internet environment. Areas of interests include, but not limited to:

- Media streaming, compression and synchronization techniques
- Media server architectures, including multi-server and grid-based architectures
- Network supports and QoS for media data transmission
- Distributed media databases and multi-modal query processing
- Distributed image / audio / video / graphics applications

Submission

Prospective authors should prepare manuscripts according to the *Information for Authors* as published in any recent issue of the journal or at www.ieee.org/organizations/society/sp/tmm/infotmm.html. Note that mandatory overlength page charges and color charges will apply. A 10-page limit (in the final publishing format) will be strictly enforced on all papers in this special issue. Manuscripts should be submitted electronically through the online IEEE manuscript submission system at http://tmm-ieee.manuscriptcentral.com/. When selecting a manuscript type, authors must click on *Special Issue on Distributed Media Technologies and Applications*. Authors should follow the instructions for the IEEE Transactions on Multimedia and indicate in the Comments to the Editor-in-Chief that the manuscript is submitted for publication in the Special Issue on Distributed Media Technologies and Applications. A completed copyright form is required to be signed and faxed to 1-732-562-8905 at the time of submission. Please indicate the manuscript number on the top of the page. Updated information of this call can be found in www.cs.cityu.edu.hk/~rynson/tmm/tmm-cfp.html.

Schedule

Deadline for paper submission: **March 1, 2005**
Completion of first review: **July 1, 2005**
Completion of second review: **September 1, 2005**
Final Accepted papers due: **October 15, 2005**
Publication Date: **April 2006** (tentative)

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