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Journal of Multimedia (JMM, ISSN 1796-2048)
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Special Issue on Multimedia over Wireless Multihop Networks

Scope:

Mobile multimedia applications such as online gaming, video conferencing, video streaming, mobile TV, and peer-to-peer streaming, can be supported by wireless multihop networks. In spite of the increasing demand for mobile multimedia services, we are still lacking a clear understanding of analytical and computational techniques, as well as best practices, to design resource allocation schemes, communication protocols, and self-organization algorithms for wireless multihop networks. In particular, dynamic spectrum access and cognitive radios, ultra-wide-band and cooperative communications, among other techniques, will have a profound impact on our ability to flexibly and predictably deliver multimedia content over wireless multihop networks. Despite recent advances, there are a number of important challenges that arise when time-constrained multimedia streams are transmitted in wireless multihop networks.

The objective of this special issue is to bring together state-of-the-art research contributions that address these key aspects of multimedia content delivery over wireless multihop networks. Original papers describing completed and unpublished work not currently under review by any other journal/magazine/conference are solicited. Specific topics include, but not limited to, the following:

- Architectures and applications for wireless multihop multimedia networks
- Protocols design for real-time, reliable multimedia streaming
- Quality-aware cross-layer design
- Quality-aware resource Management and admission control
- QoS provisioning for multimedia over wireless multihop networks
- Scalability, mobility and secure issues
- Cooperative communication techniques for real-time video streaming
- QoS provisioning for multimedia over heterogeneous networks
- P2P streaming
- Test-bed and prototype implementation
- New emerging wireless multimedia applications

Submission Details:

Prospective authors should submit high quality and original contributions that have not appeared, nor are under consideration, in any other journals. Submissions should follow the guidelines of Journal of Multimedia, which can be found at: <http://www.academypublisher.com/jmm/forauthors.html>.

Manuscripts should be submitted electronically to the corresponding Guest Editor, Prof. Yuhang Yang at yhyangsjtu@gmail.com. For further questions or inquiries, please contact the corresponding Guest Editor.

Important Dates:

Manuscript due date:	September 10, 2010
Notification of acceptance:	December 1, 2010
Submission of final manuscript:	December 31, 2010
Publication date:	February, 2011 (Tentative)

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