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SPECIAL ISSUE ON
Multimedia Transmission and Process in Heterogeneous Network

Overview:

Thanks to the explosive growth of the wireless and wire technologies, communication networks are essentially becoming heterogeneous. The media at the physical layer are heterogeneous, e.g. the optical fiber and the radio media are exploited for achieving the communication. Similarly, the technologies used in access networks are also heterogeneous and PON (Passive Optical Network), IEEE802.15, IEEE802.11, WiMax can serve as some of the evidence.

The performances of the multimedia services offered over the heterogeneous communication networks can possibly be affected due to such heterogeneity. The delay and jitter can vary greatly when multimedia data travel through different physical media, leading to a demand of different transmission rate and resource allocation methods. As a result, resource management faces a great number of challenges. Moreover, the malicious and selfish nodes may also behave differently in heterogeneous networks. Therefore, the detection methods and trustable data transmission schemes should be designed to meet the specific constraints in each domain. In addition, there is a need for cooperative caching, energy efficient, data analysis, data fusion and other technologies to evolve.

This special issue is intended to provide a unique international forum for researchers from the industry and academia, with specialties in multimedia transmission, multimedia communications and networking, to exchange their knowledge and research findings in new technologies, applications and standards in these fields. Original unpublished contributions are solicited for the goal of improving the knowledge and practice in the integrated design of efficient technologies and the relevant provision of advanced mobile multimedia applications.

Topics

Topics of interest include, but are not limited to, the following scope:

⌚ Resource Allocation and Scheduling in Heterogeneous Networks	⌚ Analysis and Fusion on Multimedia Data
⌚ Trust Management and Privacy Preserving	⌚ Energy Efficient Technologies for Heterogeneous Networks
⌚ Performance Modeling for Heterogeneous Networks	⌚ Advanced Communication and Networking Technologies
⌚ Testbed for Heterogeneous Networks	

Important Dates

- **Manuscript submission deadline: March 15, 2017**
- Notification of acceptance: July 1st, 2017
- Submission of final revised paper: August 15st, 2018
- Publication of special issue (tentative): September 2018

Submission Procedure

Authors should follow the MONET Journal manuscript format described at the journal site. Manuscripts should be submitted on-line through <http://www.editorialmanager.com/mone/>.

A copy of the manuscript should also be emailed to the Guest Editors at the following email address(es) :

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