

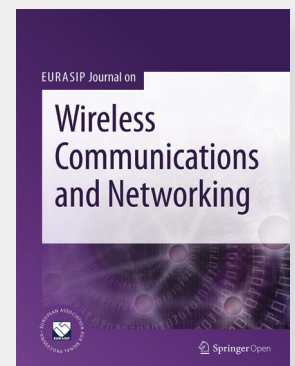
# EURASIP Journal on Wireless Communications and Networking

## Special Issue on Mobile Multimedia Cloud Computing

The rapid increase in the use of multimedia applications (e.g. video conferencing and online gaming) on mobile devices has led IT companies to evolve their technologies to cope with the multimedia requirements. Since mobile devices are inherently resource-limited, mobile cloud computing (MCC) is emerging as a promising technology to enhance the capability of mobile devices to enable rich multimedia applications.

The synthesis between mobile multimedia and cloud computing should be well orchestrated to address many technical challenges. The fundamental tension between resource-hungry multimedia streams and power-limited mobile devices has to be resolved, and is complicated by novel ways of operating mobile devices as both media clients and content providers. In particular, providing efficient mobile cloud services for multimedia is hindered by a series of special issues such as heterogeneity amongst ever-evolving mobile devices, limited bandwidth and energy, user mobility and dynamical cloud connections, in which how to minimize energy consumption of mobile devices while satisfying QoE/QoS requirements is a major concern. These challenges are further aggravated by business concerns from different service providers, as well as security concerns from users and content providers.

This special issue focuses on recent advances in theory and key technologies of mobile multimedia cloud computing. Original, unpublished contributions and invited articles, reflecting various aspects of mobile multimedia cloud computing are encouraged.



Call for  
Papers

## Potential topics include, but are not limited to:

- Mobile multimedia cloud service architecture and designs
- Mobile multimedia service scheduling
- Cloud-assisted cooperative multimedia communication
- Enhanced QoS/QoE for mobile multimedia
- Mobile multimedia content delivery on mobile devices
- Multimedia search on mobile devices
- Distributed caching of mobile media data
- Cloud-based mobile multimedia processing
- Media cloud resource management
- Cloud-assisted media content recommendation
- User-centric media adaptation in the cloud
- Service-oriented media management
- Cloud-based mobile media system
- Mobile media security and privacy
- Performance prediction, analysis, models and results
- Cloud-based mobile multimedia streaming
- Cloud-assisted multimedia ad hoc and sensor networks

## Submission Instructions:

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## Submission schedule

Manuscripts due:  
August 31, 2015