Paper Submission

Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals.

Springer offers authors, editors and reviewers of *Peer-to-Peer Networking and Applications* a web-enabled online manuscript submission and review system. Our online system offers authors the ability to track the review process of their manuscript.

Manuscripts should be submitted to: [http://PPNA.edmgr.com](http://PPNA.edmgr.com) under the article type “Multimedia P2P Networking.” This online system offers easy and straightforward login and submission procedures, and supports a wide range of submission file formats.

Important Dates

- Paper submission deadline: November 30, 2011
- Notifications from 1st phase: March 31, 2012
- Notifications from 2nd phase: May 31, 2012
- Camera ready submission: July 31, 2012

Special Issue Call for Papers

**Multimedia P2P Networking: Protocols, Solutions and Future Directions**

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Computers creating a peer-to-peer (P2P) network act as both client and server, relaying messages to neighboring computers. This removes the need for centralized servers and creates a self-contained overlay network on top of networked infrastructures. The concept of P2P computing was developed to enable content distribution which is beyond the means of traditional client-server systems. Since then a number of P2P applications have been evolved.

Due to the latest developments in electronics industry, multimedia communications is one of the key enabling technologies in the current and future networks. With the emerging multimedia techniques which can be used for various pervasive applications such as file sharing, voice communication, audio, and video streaming are the popular P2P applications, the need for multimedia services over P2P networks is dramatically increased. Furthermore, the dynamically-varying conditions of P2P network pose further challenges in providing Quality of Service (QoS) support over P2P networks.

The goal of this special issue is to publish both state-of-the-art and prospective papers that present advances towards the performance enhancement of multimedia P2P networking. In this context, papers will discuss all aspects that have an impact on the performance as depicted in research activities from professionals, academics and researchers. This Special Issue will serve as a venue for both academia and industry individuals working in this fast-growing research area to share their experiences and state-of-the-art work with the readers.

Topics appropriate for this special issue include, but are not limited to:

- Multimedia P2P applications and services
- Energy efficiency
- Quality of Service and Quality of Experience
- Medium access and end-to-end flow/error/congestion control for multimedia P2P networking
- Recent standardization activities for multimedia P2P networking
- Context awareness model for multimedia P2P networking
- Location discovery and location management
- Trade-offs between replication, bandwidth, storage, and search costs
- New and emerging technologies, service, and applications
- Case studies and Testbeds