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Special Issue on IP Communication Services

The success of Internet telephony applications has demonstrated the feasibility of IP communications to support millions of concurrent users. What started initially as a technology for toll-bypass in the switched telephone network has now grown to subsume the switched telephone network. However, creating scalable innovative services for Internet telephony in a rapid manner is still a work in progress.

The web service creation model served as an initial model of creating services in Internet telephony and still continues in the same role. As web mashups proliferated, voice mashups gained currency; as RSS feeds lead to innovative web services, the voice market capitalized with voice-enabled RSS feeds. Added to this mix are more recent technological advances such as virtualization, virtual worlds, IMS and mobile technologies, and capable personal digital assistants -- all enabling a variety of new communication protocols, services and architectures.

The Special Issue on IP Communication Services welcomes original submissions from both researchers and practitioners that explore recent advances in architecture, system, protocol, modeling, and testbed design, as well as emerging applications and standards related to IP Communication Services. Topics of interest include, but are not limited to:

- Contribution of web service model to Internet telephony services
- Service modeling and model checking
- User expectations in web services versus Internet telephony services
- New communication services and service models
- Compositional services
- Cloud-based IP communications infrastructure
- Context-aware communication services
- Social networking and IP communications
- Converged communication services
- P2P overlay for IP communications services
- Service discovery
- Service management
- IP communication services for mobile users
- Mobile P2P communication services
- IP communications in the power grid
- Research issues in vertical IP communications markets
- Security
- Services and identity management

Submission

Authors are invited to submit original and unpublished papers. Submissions should follow the author guidelines of Journal of Communications and the complete instructions for prospective authors can be found at <http://www.academypublisher.com/jcm/forauthors.html>. For further questions or inquiries, please contact the corresponding guest editor.

Important Dates

Submission Deadline	Nov 1, 2010
Author Notification	March 1, 2011
Final Manuscript due	April 1, 2011
Publication Date	Q3 2011

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