CALL FOR PAPERS

NEXT-GENERATION NETWORKING SYMPOSIUM

Symposium Co-Chairs

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Scope and Topics of Interest

Over the past decade, communications and networking technologies have advanced at a tremendous pace. In particular, wireless technology has provided not only high network bandwidth but has also increased connectivity to homes, workplaces as well as remote areas where wired infrastructure cannot reach. Furthermore, advances in optical networking have provided unprecedented growth in the capacity of core and access networks. These advances, as well as the introduction of powerful mobile devices, have allowed new applications to emerge that have a significant impact on our daily lives, such as mobile healthcare. Such new technologies also introduce new challenges and opportunities. Of particular importance to Next-Generation Networks are emerging topics in the area of network heterogeneity, adaptability, scalability, virtualization, services and applications, security, manageability, dependability, and performance predictability. In addition, many salient issues impact broadband next-generation wireless networks, such as self-organization, energy efficiency, cross-layer design, fast content retrievals, and mobility management.

The Next-Generation Networking Symposium at IEEE Globecom 2013 aims to disseminate the latest developments and advancements in these emerging focus areas. This symposium invites participation from both academic and industry researchers working in the area of next-generation networking technologies, services, architectures, and protocols. The overall goal is to present the latest snapshot of the ongoing research as well as to shed further light on future directions in this space. Authors are invited to submit papers presenting novel technical studies as well as broader position and vision papers comprising hypothetical/speculative scenarios.

The planned symposium topics of interest include, but are not limited to, the following:

- Future Internet and Next-Generation Networking Architectures
- Heterogeneous multi-layer and multi-domain networks, wireless-wireline internetworking
- Overlay networks, content-centric networks, and peer-to-peer networking
- Network virtualization, virtual private networks (VPN), and services
- Routing: unicast, multicast, and anycast; wireless and wireline
- Future Internet security, privacy, survivability and network resilience strategies
- Mechanisms for self-organization, naming, mobility support, and autonomous networking
- High-speed and parallel-processing architectures for next-generation routers
- Emerging internet applications including interactive media, voice and video games, immersive applications, and applications for internet of things
- Architecture and Protocol Design for Next-Generation Social Networking Services
- Network management methodologies and control plane design for Future Internet

- Future privacy and/or security issues, intrusion detection and prevention in the Internet
- Design methodologies for future Internet services
- Next-Generation access networking
- Next generation network provisioning, monitoring, and management of IP services: traffic engineering, and mobility support

Submission Guidelines

Prospective authors are invited to submit original technical papers by the deadline of **15 March 2013** for publication in the IEEE Globecom 2013 Conference Proceedings and for presentation at the conference. Submissions will be accepted through EDAS. All submissions must be written in English and be at most six (6) printed pages in length, including figures. For full details, please visit the following website:

http://www.ieee-globecom.org/2013/submguide.html