

Call for Papers

IEEE Globecom 2007 Symposium on Internet Protocol

26 -30 November 2007, Washington D.C., USA

Symposium Co-Chairs:

Nirwan Ansari,

Affiliation: Electrical and Computer Engineering Department, New Jersey Institute of Technology, NJ, USA

Email: ansari@njit.edu

Mohammad Atiquzzaman

Affiliation: School of Computer Science, University of Oklahoma, OK, USA

Email: atiq@ou.edu

Nei Kato

Affiliation: Graduate School of Information Sciences, Tohoku University, Japan

Email: kato@it.ecei.tohoku.ac.jp

Scope:

During the past decades, owing to the simplicity of the Internet Protocol, the Internet has expanded in a scale almost beyond imagination. Almost any node can be connected easily to the Internet through either wired or wireless networks. The challenge has shifted from just making connectivity for users to providing them with flexible guaranteed communications. Unlike the wired networks, wireless networks are characterized by the high bit error rate depending on the user environment, and the long delay for long distance or cluttered communications. Furthermore, in heterogeneous networks, users would like to maintain seamless connectivity even when they are traversing between networks. This mobility requirement brings another challenging problem to IP since the original protocol was only designed for fixed networks where most of the nodes are bound to a sub-network and seldom change their locations. Fairness among connections, network utilization, and roaming issues, are some of the current major concerns.

Traditional IP is readily exposed to attacks such as DDoS and Flooding, causing serious security threat to the integrity of the Internet. Current research has focused on how the future Internet will be shaped. One path to the future Internet is evolutionary by making the necessary modifications and adding some new functions to current IP; the other is revolutionary by possibly creating a suite of totally new network architecture and protocol.

This symposium solicits original works from both academia and industry. Potential contributors are invited to submit their unpublished paper(s) addressing various aspects related to the Internet Protocol. Further details of the symposium can be found in <http://conference.njit.edu/IP-globecom2007/>. For submission instructions, please visit the IEEE Globecom 2007 Webpage at <http://www.ieee-globecom.org/2007/>.

Topics of interested areas:

Protocols for Internet's Next Generation

IP-based convergent solutions and Next Generation networks

IPv6 and IPv6 Transition

IP Applications and Services

VOIP

Multimedia Protocols

Internet Measurements

IP over Satellite

Routing Protocols

IP Grid Management and Grid Services

P2P Computing

Wireless IPv6

Multicast and Anycast

Protocol Security

Virtual Private Networks

Transport layer protocols

Quality of Service

Mobility management in IP networks

Program deadlines and contacts

Important Dates:

Paper submission

15 March, 2007, 12 noon EST

Notification of acceptance

1 July, 2007 12 noon EST

Camera-ready paper

1 September, 2007, 12 noon EST

Submission Instruction:

- For all details of deadline and format of paper submission to IEEE GLOBECOM 2007 Symposium on Internet Protocol (IP), please refer to IEEE GLOBECOM 2007 web page at <http://www.ieee-globecom.org/2007/>. Information on proposals and submissions can also be found at the conference web site.
- All paper submissions must be submitted through the official GLOBECOM 2007 web-based paper processing system.
- All accepted papers must be accompanied by a limited or full registration in order to be appeared in the conference proceedings.