

Gigabit Networking Workshop GBN99 – Call for Participation

21 March 1999 – New York, NY

Sponsored by the IEEE ComSoc Technical Committee on Gigabit Networking
in conjunction with INFOCOM'99

Purpose and Format

The purpose of this workshop is to provide a forum for presenting and discussing very recent work in gigabit networking and to raise relevant issues to the general networking community in a timely manner. It will take place from 8:30 AM until 5:00 PM with lunch provided. There will be an open business meeting of the Technical Committee on Gigabit Networking following the workshop at 5:00 PM.

The workshop will consist of a number of short informal presentations and discussion on current research and implementation, hot topics, position statements, and controversial issues relating to high bandwidth networking. The focus is on end-to-end issues including transport and higher layer protocols, host and network interface architecture, operating systems, emerging applications, deployment and management of large networks, economic and regulatory issues, security and privacy, and other societal impacts. We are particularly interested on the theme of high performance distributed information access designed to scale to gigabit giganode networks with a high (number of users) \times (throughput *per* user) product, including:

- high-performance authentication and security (hardware and software solutions, and their trade-off)
- low latency name resolution (*e.g.*, URL and URN) and name service (*e.g.*, URL and DNS)
- high-performance distributed IPC, shared memory, and file systems
- high-performance information access and interactive service support
- high-performance low latency transactions, session control, and network signalling

Special Focus Topic – each year, GBN highlights focus topics, for which abstracts are specifically recruited. This year's topics are:

- VPNs (NATs, etc.) at gigabit speeds
- Network layers over direct media (IP over SONET, etc.)
- Gigabit LANs - done deal, or work to be done?

There will be sessions reserved for interactive discussion. Suggestions for additional topics are welcome (email tcgn@ieee.org) and Cc: to the program co-chairs); controversial topics and outrageous viewpoints are encouraged. Presentations will appear in the online proceedings of the workshop, under URL <http://www.csrc.wustl.edu/pub/ieee-tcgn/conference/gbn99>.

Submission

Submission of a one page abstract is due 29 January 1999, and must be in plain text (66 lines max.) by email to the program chair at evans@ittc.ukans.edu. Please include the text "GBN'99 Submission" in the Subject: field; all submissions will be quickly acknowledged (otherwise contact the program chair to confirm receipt). Notification will be made by 12 February 1999. Annotated electronic versions of the presentation foils are due 15 March 1999, to be included in the on-line proceedings prior to the workshop.

Selected submissions will be invited to develop full papers for fast-track review for Protocols for High-Speed Networks '99, <http://www.isi.edu/pfhsn99>.

Registration

Registration for the workshop will be handled as part of INFOCOM'99 registration; information is available on the WWW at <http://www.comsoc.org/confs/infocom/99/>. This GBN99 CFP and additional information on the workshop are available on the WWW at <http://www.csrc.wustl.edu/pub/ieee-tcgn>, or by email to the program co-chairs.

Program Co-Chairs

Prof. Joseph B. Evans Info. & Telecom. Tech. Center 2291 Irving Hill Road University of Kansas Lawrence, KS 66045 USA +1 785 864-4830 +1 785 864-7789 (fax) evans@ittc.ukans.edu http://www.ittc.ukans.edu/~evans/	Joe Touch USC/ISI Suite 1001 4676 Admiralty Way Marina del Rey, CA 90292 USA +1 310 822-1511 x151 +1 310 823-6714 (fax) touch@isi.edu http://www.isi.edu/touch
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TPC (tentative)

Christophe Diot	Sprint Labs
Aloke Guha	StorageTek (STK)
Bryan Lyles	Sprint Labs
Gerald Neufeld	Siara Systems
Dick Skillen	Nortel
James Sterbenz	BBN Technologies, GTE
Richard Thompson	Univ. of Pittsburgh