



Call for Papers

sigcomm 2004

Portland/Oregon/USA

August 30 – September 3



The SIGCOMM 2004 conference seeks papers describing significant research contributions to the field of computer and data communication networks. We invite submissions on network architecture, design, implementation, operations, analysis, measurement, and simulation. Areas of interest include, but are not limited to:

- ◆ Network, transport, and application-layer protocols
- ◆ Networking issues for Web, multimedia, and gaming applications
- ◆ Routing, switching, and addressing
- ◆ Resource management, quality of service, and signaling
- ◆ Operating system support for networking
- ◆ Wireless, mobile, ad hoc, and sensor networks
- ◆ Network management and traffic engineering
- ◆ Experimental and measurement results from operational networks
- ◆ Network fault-tolerance and reliability, debugging, and troubleshooting
- ◆ Peer-to-peer, overlay, and content distribution networks
- ◆ Analysis and design of network architectures and algorithms
- ◆ Tools and techniques for network measurement and simulation
- ◆ Network security, vulnerability, and defenses
- ◆ Fundamental insights into network and traffic characteristics

We welcome two categories of paper submissions -- full papers up to 14 pages in length and position papers up to 8 pages in length. SIGCOMM is a selective conference where full papers typically report novel results firmly substantiated by experimentation, simulation, or analysis. In contrast, position papers attempt to shape research directions by offering new perspectives, wisdom, and guidance rather than presenting mature work with quantitative results. More detailed information for authors of position papers will be available at the SIGCOMM'04 Web site. In addition, the Web site will provide instructions on formatting and submitting full and position papers.

As in previous years, SIGCOMM 2004 will have a poster session and student travel grant program. Details will be posted on the conference web site as they become available.

Workshop/Tutorial Proposals:	November 2003
Paper registration/abstract:	January 30, 2004 (Required, hard deadline)
Paper submission:	February 6, 2004 (Hard deadline)
Paper notification:	April 30, 2004
Camera-ready papers:	June 21, 2004

<http://www.acm.org/sigcomm/sigcomm2004>



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General Chair:
Program Chairs:

Raj Yavatkar, Intel Corporation
Ellen Zegura, Georgia Tech University
Jennifer Rexford, AT&T Labs -- Research
Chris Edmondson-Yurkanan, University of Texas, Austin

**Conference
Coordinator:**
Tutorial Chair:
Workshop Chair:
**Student Poster
Chair:**

Christophe Diot, Intel Corporation
Harrick Vin, University of Texas, Austin
Prashant Shenoy, University of Massachusetts, Amherst

**Student Travel
Grants Chair:**
Publicity Chair:
Local Organization:

Tilman Wolf, University of Massachusetts, Amherst
Prashant Chandra, Intel Corporation
Nelva Johnson, Intel Corporation

**Tutorials and
Workshops:**

SIGCOMM 2004 will feature tutorials and workshops to be announced at a later date.

**Student Paper
Award:**

Papers submitted by students may be considered for a student paper award. To be eligible, a student or group of students must be primary contributors to the paper. Papers eligible for the student paper award should be identified as such on the paper submission web page.

SIGCOMM Award:

SIGCOMM 2004 will begin with a keynote by the 2004 winner of the ACM SIGCOMM Award for lifetime contributions to the field of computer communication. Procedures for nominating candidates for the SIGCOMM Award can be obtained from Jennifer Rexford (jrex@research.att.com)