



Call for Papers: **HotNets-III**

Third Workshop on Hot Topics in Networks

November 15-16, 2004

San Diego, CA USA



The Third Workshop on Hot Topics in Networks, HotNets-III, will bring together researchers in the networking and distributed systems community to debate emerging research directions. The goal of the workshop is to promote community-wide discussion of ideas that will influence and foster continued research in the field. The workshop will provide a venue for researchers to present new ideas that have the potential to significantly impact the community in the long term, especially those that are architectural or design-oriented in nature.

Each potential participant should submit a short (no longer than six page) paper describing such an idea; the paper could, for example, expose a new problem, advocate a new solution, or debunk existing work. Attendance is limited to around 60 participants, by invitation based primarily on paper submissions. HotNets-III is sponsored by ACM SIGCOMM and supported by Intel Research and Cisco Systems.

We encourage submissions across the broad range of networking and distributed systems research, not limited to those topics covered by the SIGCOMM conference. Submissions may be on topics traditionally published at SIGCOMM, NSDI, SOSP/OSDI, SenSys, or MobiCom, or they may be on topics that have yet to find a home in an established conference. Topics of interest include, but are by no means limited to:

General Chair:

Alex Snoeren (UCSD)

Program Committee Co-Chairs:

Tom Anderson (Washington)

Nick McKeown (Stanford)

Program Committee:

Jon Crowcroft (Cambridge)

Ramesh Govindan (USC)

Dina Katabi (MIT)

Jim Kurose (UMass)

Robert Morris (MIT)

Vivek Pai (Princeton)

Jim Roberts (France Telecom)

Alex Snoeren (UC San Diego)

Ellen Zegura (Georgia Tech)

Steering Committee:

Larry Peterson (Princeton)

David Wetherall (Washington)

John Wroclawski (MIT)

- Internet architecture, past, present, and future
- Overlay, peer-to-peer, and programmable network infrastructures
- Sensor networks, storage area networks, and other examples of "extreme" networking
- Wireless networks, mobility, and pervasive computing
- Network fault-tolerance, reliability, and security
- Network configuration, diagnosis, and resource management
- Novel distributed applications and services, including systems for content distribution and real-time media.
- Lessons drawn from failed research
- Architectural insights or understanding of network behaviors

The selection of HotNets papers will be based primarily on their potential to influence future research. This influence can be exercised in many ways, exemplified by but not limited to the following:

- Describing a novel approach to an old problem that promises to influence future research
- Describing a new problem that requires our attention
- Articulating a new perspective or debunking an old perspective about networking and distributed systems

Copies of the accepted papers will put on the Web prior to the workshop. The Program Committee plans to write short New York Times Book

Review-style reviews of accepted papers, for inclusion in the proceedings, to provide the broader community with an additional perspective on future directions in the field.

Important Dates:

Submissions due: August 10 2004

Acceptance notification: October 15 2004

Camera-ready copy due: November 1 2004

Workshop Web

Page and Submission information: <http://yuba.stanford.edu/HotNets-III/>