

ACM SIGCOMM 2000



Monday, Aug 28

Tutorial M1 09.00-16.30	Voice over IP Henning Schulzrinne, Columbia University	Vapensalen
Tutorial M2 09.00-16.30	Analysis of Network and Protocol Behavior Shawn Ostermann, Ohio University	Spegelsalen
12.00-13.00	Lunch	Vinterträdgården

Tuesday, Aug 29

Tutorial T1 09.00-16.30	Network Security Protocols Radia Perlman, Sun Microsystems	Spegelsalen
Tutorial T2 09.00-16.30	Distributed Control and Resource Pricing R. Gibbens, University of Cambridge, UK, P. Key, Microsoft Research	Vapensalen
12.00-13.00	Lunch	Vinterträdgården
18.00-19.30	Opening Reception A boat leaves for City Hall at 17.00 in front of Grand Hôtel.	Stadshuset (Stockholm City Hall)

Wednesday, Aug 30

Opening Session and SIGCOMM Award Ceremony 09.00-10.15	Keynote Speech by André Danthine	Vinterträdgården
10.15-10.45	Break	Vapensalen, Spegelsalen, Strömsalongerna
Session 1 10.45-12.15	Multicast and Anycast Chair: Jon Crowcroft	Vinterträdgården
<p><i>A Framework for Scalable Global IP-Anycast (GIA)</i> — Dina Katabi, John Wroclawski (Massachusetts Institute of Technology)</p> <p><i>pgmcc: A TCP-friendly Single-Rate Multicast Congestion Control Scheme</i> — Luigi Rizzo (Università di Pisa)</p> <p><i>Fault Isolation in Multicast Trees</i> — Anoop Reddy, Ramesh Govindan, Deborah Estrin (USC/Information Sciences Institute)</p>		
12.15-13.30	Lunch	Vapensalen, Spegelsalen
Session 2 13.30-15.00	Control Mechanisms Chair: Henning Schulzrinne	Vinterträdgården
<p><i>Equation-Based Congestion Control for Unicast Applications</i> — Sally Floyd, Mark Handley (AT&T Center for Internet Research at ICSI), Jitendra Padhye (University of Massachusetts, Amherst), Joerg Widmer (AT&T Center for Internet Research at ICSI)</p> <p><i>Endpoint Admission Control: Architectural Issues and Performance</i> — Lee Breslau (AT&T Research), Edward Knightly (Rice University), Scott Shenker (AT&T Center for Internet Research at ICSI), Ion Stoica, Hui Zhang (CMU)</p> <p><i>Decoupling QoS Control from Core Routers: A Novel Bandwidth Broker Architecture for Scalable Support of Guaranteed Services</i> — Zhi-Li Zhang, Zhenhai Duan (University of Minnesota), Lixin Gao (Smith College), Yiwei Thomas Hou (Fujitsu Labs)</p>		
15.00-15.30	Break	Vapensalen, Spegelsalen, Strömsalongerna
Session 3 15.30-17.00	World Wide Web Chair: Erich Nahum	Vinterträdgården
<p><i>A Content-based Technique for Eliminating Redundant Web Traffic</i> — Neil T. Spring, David Wetherall (University of Washington)</p> <p><i>On Network-Aware Clustering of Web Clients</i> — Balachander Krishnamurthy (AT&T Research), Jia Wang (Cornell University)</p> <p><i>The Content and Access Dynamics of a Busy Web Site: Findings and Implications</i> — Venkata N. Padmanabhan (Microsoft Research), Lili Qiu (Cornell University)</p>		
Outrageous Opinions Session 17.15-18.30	Chair: Gary Delp	Spegelsalen, Strömsalongerna

Thursday, Aug 31

Session 4 Performance Analysis and Modeling Vinterträdgården
09.00-10.30 Chair: Keith Ross

Critical Path Analysis of TCP Transactions — Paul Barford, Mark Crovella (Boston University)
Tuning RED for Web Traffic — Mikkel Christiansen, Kevin Jeffay, David Ott, F. Donelson Smith (University of North Carolina at Chapel Hill)
A Fluid-based Analysis of a Network of AQM Routers Supporting TCP Flows with an Application to RED — Vishal Misra, Wei-Bo Gong, Don Towsley (University of Massachusetts, Amherst)

10.30-11.00 **Break** Vapensalen, Spegelsalen, Strömsalongerna

Session 5 Routing Stability and Convergence Vinterträdgården
11.00-12.00 Chair: Roch Guerin

Routing Stability in Congested Networks: Experimentation and Analysis — Aman Shaikh (University of California, Santa Cruz), Lampros Kalampoukas, Rohit Dube (Bell Labs, Lucent Technologies), Anujan Varma (University of California, Santa Cruz)
An Experimental Study of Delayed Internet Routing Convergence — Craig Labovitz (Microsoft Research), Abha Ahuja, Abhijit Abose, Farnam Jahanian (University of Michigan)

12.00-13.30 **Lunch** Vapensalen, Spegelsalen

Session 6 Routing and Bridging Vinterträdgården
13.30-14.30 Chair: Julio Escobar

FIRE: Flexible Intra-AS Routing Environment — Craig Partridge (BBN Technologies), Alex C. Snoeren (BBN Technologies & Massachusetts Institute of Technology), Tim Strayer, Beverly Schwartz, Matthew Condell, Isidro Castineyra (BBN Technologies)
SmartBridge: A Scalable Bridge Architecture — Thomas L. Rodeheffer, Chandramohan A. Thekkath (Compaq Systems Research Center), Darrell Anderson (Duke University)

Student Poster Session – Work in Progress Vinterträdgården
14.30-15.30 In parallel with the break

Session 7 TCP Analysis Vinterträdgården
15.30-17.00 Chair: Jean-Yves Leboudec

TCP is Max-Plus Linear — Francois Baccelli, Dohy Hong (ENS-INRIA)
A Stochastic Model of TCP/IP with Stationary Random Losses — Eitan Altman, Kostia Avrachenkov, Chadi Barakat (INRIA)
On the Propagation of Long-range Dependency in the Internet — Andras Veres (Ericsson), Zsolt Kenesi, Sandor Molnar (Technical University of Budapest), Gabor Vattay (Eotvos University, Budapest)

17.00-18.00 **Sigcomm Business Meeting** Spegelsalen

18.30-21.00 **Dinner** Vasa Museum

Friday, Sep 1

Session 8 Tracing and Measurement Vinterträdgården
09.00-11.00 Chair: Bryan Lyles

Deriving Traffic Demands for Operational IP Networks: Methodology and Experience — Anja Feldmann (University of Saarbruecken), Albert Greenberg, Carsten Lund, Nick Reingold, Jennifer Rexford, Fred True (AT&T Research)
Trajectory Sampling for Traffic Measurement — Nick Duffield, Matthias Grossglauser (AT&T Research)
Measuring Link Bandwidths Using a Deterministic Model of Packet Delay — Kevin Lai, Mary Baker (Stanford University)
Practical Network Support For IP Traceback — Stefan Savage, David Wetherall, Anna Karlin, Tom Anderson (University of Washington)

11.00-11.30 **Break** Vapensalen, Spegelsalen, Strömsalongerna

Session 9 Header Processing Vinterträdgården
11.30-13.00 Chair: Vern Paxson

When the CRC and TCP Checksum Disagree — Jonathan Stone (Stanford University), Craig Partridge (BBN Technologies)
Packet Types: Abstract Specification of Network Protocol Messages — Peter J. McCann, Satish Chandra (Bell Labs, Lucent Technologies)
Terabit IP Lookups — Sandeep Sikka (Inktomi), George Varghese (UCSD)

Closing Remarks Vinterträdgården
13.00-13.30