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# Quality of Service – IWQoS 2005

13th International Workshop, IWQoS 2005  
Passau, Germany, June 21-23, 2005  
Proceedings



Springer

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# Preface

We welcome you to the proceedings of IWQoS 2005 held at the University of Passau, in the beautiful state of Bavaria, Germany. We hope that all attendees enjoyed their time in that ancient and historic city.

Quality of Service(QoS) continues to be an important area of research. Traditionally very focused on the area of networking, it has grown to include mobile applications, wireless environments, 3G and 4G cellular networks, user experience, overlay networks, large-scale systems and other important areas of application. Six full-paper sessions that comprised selected papers of very high quality were devoted to the above mentioned, cutting-edge topics in this volume. We had a fascinating cross-disciplinary program and hope to have seeded connections between different disciplines and between industry and academia.

In addition to the reviewed paper sessions, we were pleased to present two inspiring keynote speakers in this year's program: *Randy Katz*, University of California, Berkeley, USA, and *Michael Stal*, Siemens AG, Munich, Germany. One speaker being from academia and one from industry, reflected well the balanced view of this workshop. Both keynotes extended the scope of QoS and addressed pressing issues, such as "spam," and leading trends, such as "service orientation," and their relevance to QoS.

We worked towards returning IWQoS back to its roots as a workshop where emerging research can be presented. In addition to the regular paper sessions, we therefore extended the program for inclusion of two short-paper sessions and a panel session. These three extra sessions were designed to be particularly interactive between speakers and audience. The Work in Progress short-paper track featured ideas and early research that is still open for discussion and commentary and therefore was given room to be innovative, provocative and visionary. The Position Papers session featured short papers that investigate the impact of QoS: where industry meets academia. The papers in this session paid tribute to the maturing state of QoS-related research and were intended to expose the community to new applications of QoS and to help understanding the barriers to deployment. The Panel session was devoted to discussing a provocative new paradigm, namely whether QoS can be achieved in a "self-organizing" manner, and brought up a controversial and novel view, which implied a shift away from more traditional paradigms.

As always a great deal of effort went into creating this program. More than 120 submitted papers were received with 317 co-authors from 32 countries belonging to all five continents. We were particularly pleased with the relatively large number of papers received from Asia and South America. The five countries with the most co-authors of the submitted papers were: USA (49), Germany (43), South Korea (31), China (29) and Brazil (20). The best 23 full papers, all of which are technically excellent, were selected after a thorough peer-reviewing

process, where each paper was independently evaluated by at least three reviewers. In addition to the full papers, 17 short papers were selected based on their merit for the respective session and their general quality.

We wish to thank the Program Committee for its hard work to ensure that high-quality papers were accepted and that new research was viewed with an open mind. Finally, the authors are to be thanked for their submissions and continuing excellence.

As with any large endeavor, there are many people who managed the computational and physical logistics. We wish to thank Ivan Dedinski for his heroic efforts to manage the IWQoS Web site and online support, and Silvia Lehmbeck for her fabulous organizing efforts. Eva Gutsmedl did an excellent job with the careful compilation of the camera-ready papers for the preparation and final editing of the proceedings. David Hutchison is to be thanked for his effort and excellence in organizing a fascinating panel, and Georgios Karagiannis, together with François Le Faucheur, helped greatly to shape the industrial session. Jan de Meer excelled in organizing the floor exhibition as an accompanying program. In alphabetic order, many thanks also to Richard Holzer, Alois Höng, Amine Houyou, Anton Kornexl, Elisabeth Loibl, Jens Oberender, Patrick Wüchner and to the other many people who helped with the workshop organization during various phases.

Passau  
April – June 2005

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# Table of Contents

---

## I Invited Program

---

### Keynotes

COPS: Quality of Service vs. Any Service at All <i>Randy Katz, George Porter, Scott Shenker, Ion Stoica, Mel Tsai</i> (University of California, Berkeley, USA) .....	3
Beyond Middleware and QoS - Service-Oriented Architectures - Cult or Culture? <i>Michael Stal (Siemens AG, Munich, Germany)</i> .....	16

### Panel

Would Self-organized or Self-managed Networks Lead to Improved QoS? <b>Panel Convener:</b> <i>David Hutchison (Lancaster University, UK)</i> <b>Panellists:</b> <i>Gísli Hjálmtýsson (Reykjavík University, Iceland), James P.G. Sterbenz (University of Massachusetts, Amherst, USA), Giorgio Ventre (University of Napoli, Italy), John Vicente (Intel Corp., USA)</i> .....	17
--	----

---

## II Full Papers

---

### QoS in Overlay Networks

Overlay Networks with Linear Capacity Constraints <i>Ying Zhu, Baochun Li (University of Toronto, Canada)</i> .....	21
A High-Throughput Overlay Multicast Infrastructure with Network Coding <i>Mea Wang, Zongpeng Li, Baochun Li</i> (University of Toronto, Canada) .....	37
On Topological Design of Service Overlay Networks <i>Arunabha Sen, Ling Zhou, Bin Hao, Bao Hong Shen</i> (Arizona State University, Tempe, USA), <i>Samrat Ganguly</i> (NEC Laboratories, USA) .....	54

# QoS in Wireless Environments

## On Transport Layer Adaptation in Heterogeneous Wireless Data Networks

<i>Aravind Velayutham (Georgia Institute of Technology, Atlanta, USA), Hung-Yun Hsieh (National Taiwan University, Taiwan, Rep. of China), Raghupathy Sivakumar (Georgia Institute of Technology, Atlanta, USA) . . . . .</i>	69
---	----

## LT-TCP: End-to-End Framework to Improve TCP Performance over Networks with Lossy Channels

<i>Omesh Tickoo, Vijaynarayanan Subramanian, Shivkumar Kalyanaraman (RPI, Troy, USA), K.K. Ramakrishnan (AT&amp;T Labs Research, USA) . . . . .</i>	81
---	----

## QoS Guarantees in Multimedia CDMA Wireless Systems with Non-precise Network Parameter Estimates

<i>H. Cahit Akin, Ozdemir Akin (University of California, San Diego, USA), Kimberly M. Wasserman (Cisco Systems, Research Triangle Park, USA) . . . . .</i>	94
---	----

## Analyzing Object Detection Quality Under Probabilistic Coverage in Sensor Networks

<i>Shansi Ren, Qun Li, Haining Wang, Xin Chen, Xiaodong Zhang (College of William and Mary, Williamsburg, USA) . . . . .</i>	107
--	-----

# The User Experience of QoS

## A Self-tuning Fuzzy Control Approach for End-to-End QoS Guarantees in Web Servers

<i>Jianbin Wei, Cheng-Zhong Xu (Wayne State University, Detroit, USA) . . . . .</i>	123
---	-----

## Calculation of Speech Quality by Aggregating the Impacts of Individual Frame Losses

<i>Christian Hoene, Sven Wiethölter, Adam Wolisz (Technical University of Berlin, Germany) . . . . .</i>	136
--	-----

## Best-Effort Versus Reservations Revisited

<i>Oliver Heckmann (Technical University of Darmstadt, Germany), Jens B. Schmitt (University of Kaiserslautern, Germany) . . . . .</i>	151
--	-----

An Advanced QoS Protocol for Real-Time Content over the Internet <i>John Adams (British Telecom, Suffolk, UK), Avril IJsselmuiden (University of Duisburg-Essen, Germany), Lawrence Roberts (Anagran, USA)</i> .....	164
---	-----

## QoS in Large Scale Systems

Designing a Predictable Internet Backbone with Valiant Load-Balancing <i>Rui Zhang-Shen, Nick McKeown (Stanford University, USA)</i> .....	178
---	-----

Preserving the Independence of Flows in General Topologies Using Turn-Prohibition <i>Markus Fidler (NTNU Trondheim, Norway), Oliver Heckmann, Ralf Steinmetz (Technical University of Darmstadt, Germany)</i> .....	193
---	-----

Supporting Differentiated QoS in MPLS Networks <i>Roberto A. Dias (Federal Technology Center of Santa Catarina, Brazil), Eduardo Camponogara, Jean-Marie Farines (Federal University of Santa Catarina, Brazil)</i> .....	206
--	-----

Avoiding Transient Loops Through Interface-Specific Forwarding <i>Zifei Zhong (University of South Carolina, Columbia, USA), Ram Keralapura (University of California, Davis, USA), Srihari Nelakuditi (University of South Carolina, Columbia, USA), Yinzhe Yu (University of Minnesota, Minneapolis, USA), Junling Wang (University of South Carolina, Columbia, USA), Chen-Nee Chuah (University of California, Davis, USA), Sanghwan Lee (University of Minnesota, Minneapolis, USA)</i> .....	219
---	-----

## Stochastic QoS

Analysis of Stochastic Service Guarantees in Communication Networks: A Server Model <i>Yuming Jiang, Peder J. Emstad (Norwegian University of Science and Technology, Norway)</i> .....	233
---	-----

Preemptive Packet-Mode Scheduling to Improve TCP Performance <i>Wenjie Li, Bin Liu, Lei Shi, Yang Xu (Tsinghua University, Beijing, Rep. of China), Dapeng Wu (University of Florida, Gainesville, USA)</i> .....	246
--	-----

## Edge-Based Differentiated Services

- Henrik Lundqvist, Ignacio Más Ivars, Gunnar Karlsson*  
*(Royal Institute of Technology, Kista, Sweden)* ..... 259

## Processor Sharing Flows in the Internet

- Nandita Dukkupati (Stanford University, USA),*  
*Masayoshi Kobayashi (NEC Corporation, Japan), Rui Zhang-Shen,*  
*Nick McKeown (Stanford University, USA)* ..... 271

**QoS in 3<sup>rd</sup>/4<sup>th</sup> Generation Mobile Systems**

## A Practical Method for the Efficient Resolution of Congestion in an On-path Reduced-State Signalling Environment

- András Császár, Attila Takács, Attila Báder*  
*(Ericsson Telecommunication, Budapest, Hungary)* ..... 286

## Case Study in Assessing Subjective QoS of a Mobile Multimedia Web Service in a Real Multi-access Network

- Tiia Sutinen (VTT Electronics, Oulu, Finland), Timo Ojala*  
*(University of Oulu, Finland)* ..... 298

## WXCP: Explicit Congestion Control for Wireless Multi-hop Networks

- Yang Su, Thomas Gross (ETH Zürich, Switzerland)* ..... 313

## A Non-homogeneous QBD Approach for the Admission and GoS Control in a Multiservice WCDMA System

- Ioannis Koutkoutsidis, Eitan Altman*  
*(INRIA, Sophia Antipolis, France), Jean Marc Kelif*  
*(France Telecom R&D, Issy-les-Moulineaux, France)* ..... 327

---

**III Short Papers**

---

**Work in Progress - Innovative, Provocative and Visionary Statements**

## Quality of Service Authentication, Authorization and Accounting

- Tseno Tsenov, Hannes Tschofenig (Siemens AG, Munich, Germany)* ..... 343

## Preliminary Results Towards Building a Highly Granular QoS Controller

- Cristian Koliver (University of Caxias do Sul, Brazil),*  
*Jean-Marie Farines (Federal University of Santa*  
*Catarina, Brazil)* ..... 346

Concept of Admission Control in Packet Switching Networks Based on Tentative Accommodation of Incoming Flows <i>Kenta Yasukawa (Tokyo Institute of Technology, Japan), Ken-ichi Baba (Osaka University, Japan), Katsunori Yamaoka (Tokyo Institute of Technology, Japan)</i> .....	349
Improving Uplink QoS of Wifi Hotspots <i>Benjamin Bappu, June Tay (British Telecommunications, Ipswich, UK)</i> .....	353
Resilient State Management in Large Scale Networks <i>Yangcheng Huang, Saleem N. Bhatti (University College London, UK)</i> .....	356
Performance Analysis of Wireless Scheduling with ARQ in Fast Fading Channels <i>Hwee Pink Tan (Eindhoven University of Technology, The Netherlands)</i> .....	359
Privacy and Reliability by Dispersive Routing <i>Haim Zlatokrilov, Hanoach Levy (Tel-Aviv University, Israel)</i> .....	362
Distributed Online LSP Merging Algorithms for MPLS-TE <i>Li Lei, Srinivas Sampalli (Dalhousie University, Halifax, Canada)</i> .....	366
Implicit Flow QoS Signaling Using Semantic-Rich Context Tags <i>Roel Ocampo (University of the Philippines, Philippines), Alex Galis (University College London, UK), Hermann de Meer (University of Passau, Germany), Chris Todd (University College London, UK)</i> .....	369
 <b>The Impact of QoS - Where Industry Meets Academia</b>	
 <b>QoS in Wireless and Wired Networks - Why Is This Needed?</b>	
Using IP as Transport Technology in Third Generation and Beyond Radio Access Networks <i>Attila Báder (Ericsson Research, Budapest, Hungary), Lars Westberg (Ericsson Research, Stockholm, Sweden), Georgios Karagiannis (University of Twente, The Netherlands)</i> .....	372

Closing the Gap Between Industry, Academia and Users: Is There a Need for QoS in Wireless Systems? <i>Gábor Fodor, Karim El-Malki, David Partain</i> <i>(Ericsson AB, Stockholm, Sweden)</i> .....	375
Why QoS Will Be Needed in Metro Ethernets <i>Rainer Baumann, Ulrich Fiedler (ETH Zürich, Switzerland)</i> .....	379
Research Issues in QoS Provisioning for Personal Networks <i>Weidong Lu, Anthony Lo, Ignas Niemegeers</i> <i>(Delft University of Technology, The Netherlands)</i> .....	382
<b>Stateful QoS Versus Overprovisioning</b>	
RSVP Standards Today and the Path Towards a Generic Messenger <i>Xiaoming Fu (University of Göttingen, Germany), Jukka Manner</i> <i>(University of Helsinki, Finland)</i> .....	385
QoS in Hybrid Networks - An Operator's Perspective <i>Aiko Pras, Remco van de Meent</i> <i>(University of Twente, The Netherlands), Michel Mandjes</i> <i>(Center for Mathematics and Computer Science, The Netherlands)</i> ...	388
QoS for Aggregated Flows in VPNs <i>Pratik Bose, Dan Voce, Dilip Gokhale (Lockheed Martin Integrated Systems &amp; Solutions, Clarksburg, USA)</i> .....	392
Supporting Mission-Critical Applications over Multi-service Networks <i>Chris Christou (Booz Allen Hamilton, McLean, USA),</i> <i>Michael Davenport (Booz Allen Hamilton, Los Angeles, USA)</i> .....	395
<b>Author Index</b> .....	399