Wednesday, October 16, 2002 (QofIS’02 Day 1)

8.30 – 9.00 Registration

9.00 - 10.30 Welcome


10.30 – 11.00 Coffee Break

11.00 – 12.30 Session 1: End-to-end QoS

Implications for QoS Provisioning based on Traceroute Measurements
M. Janic, F. Kuipers, X. Zhou, P. Van Mieghem, TU Delft, The Netherlands
A Receiver-driven Adaptive Mechanism based on the Popularity of Scalable Sessions
P. Mendes, H. Schulzrinne, Columbia Univ. U.S.A. and E. Monteiro, Univ. of Coimbra, Portugal
Large-scale Behavior of End-to-end Epidemic Message Loss Recovery
Ö. Özkasap, Koç Univ. Istanbul, Turkey

12.30 – 14.00 Lunch

14.00 – 15.30 Session 2: DiffServ Traffic Management

Evaluation of a Differentiated Services-based Implementation of a Premium and an Olympic Service
V. Sander, Forschungszentrum Jülich, Germany and M. Fidler, RWTH Aachen, Germany
Unfairness of Assured Service and a Rate Adaptive Marking Strategy
S.-J. Seok, S.-H. Lee, S.-M. Hong, C.-H. Kang, Korea Univ. Seoul and Samsung Advanced Institute of Technology, Korea
Counters-based Modified Traffic Conditioner
M.-D. Cano, F. Cerdan, J. Garcia-Haro, J. Malgosa-Sanahuja, Politechnic Univ. of Cartagena, Spain

15.30 – 16.00 Coffee Break

16.00 – 17.30 Session 3: Traffic Marking and Queuing

High Quality IP Video Streaming with Adaptive Packet Marking
S. Zander, G. Carle, Fraunhofer FOKUS, Germany
SBQ: A Simple Scheduler for Fair Bandwidth Sharing Between Unicast and Multicast Flows
F. Filali, W. Dabbous, INRIA Sophia-Antipolis, France
A Control-Theoretical Approach for Fair Share Computation in Core-Stateless Networks
H.-T. Ngin, C.-K. Tham, National Univ. of Singapore, Singapore

18.00 sharp – 19.30: Welcome Reception

Thursday, October 17, 2002 (QofIS’02 Day 2)

8.30 – 9.00 Registration

9.00 - 10.30 Session 4: Signaling and Routing

SOS: Sender Oriented Signaling for a Simplified Guaranteed Service
E. Ossipov, G. Karlsson, KTH Stockholm, Sweden
The Performance of Measurement-based Overlay Networks
D. Bauer, S. Rooney, P. Scottin, S. Buchegger, I. Iliadis, IBM Zürich Laboratory, Switzerland
Using Redistribution Communities for Inter-domain Traffic Engineering
B. Quoitin, S. Uhlig, O. Bonaventure, Univ. of Namur, Belgium

10.30 – 11.00 Coffee Break

11.00 – 12.00 Session 5: Multi-path Routing

A Multi-path Routing Algorithm for IP Networks based on Flow Optimization
H. Abrahamsson, B. Ahlgren, J. Alonso, A. Andersson, P. Kreuger, SICS, Sweden
Proactive Multi-path Routing
J. Shen, J. Shi, Zhe Jiang Univ., China and J. Crowcroft, Univ. of Cambridge, U.K.
12.00 – 13.00 Panel: “Premium IP: On the Road to Ambient Networking?”
Organizer: Paulo de Sousa, European Commission, Brussels
Panelists: M. Potts, Martel, Switzerland; R. Aguiar, University of Aveiro, Portugal; G. Pavlou, Univ. Surrey, U.K.; B. Briscoe, BT Research, U.K.; S. Leinen, Switch, Switzerland.

13.00 – 14.00 Lunch

14.00 – 15.30 Session 7: Service Differentiation and QoS Control

Service Differentiation and Guarantees for TCP-based Elastic Traffic
N. Hegde, K. E. Avrachenkov, INRIA Sophia-Antipolis, France

Service Differentiation and Assurance in Third Generation Mobile Networks
L. A. Siris, ICS Forth, Greece and B. Briscoe, D. Songhurst, BT Research, U.K.

Policy-driven Traffic Engineering for Intra-domain Quality of Service Provisioning
P. Trimintzios, P. Flegkas, G. Pavlou, Univ. Surrey, U.K.

15.30 – 16.00 Coffee Break

16.00 – 17.30 Session 8: Congestion Control and MPLS

A Congestion Control Scheme for Continuous Media Streaming Applications
P. Balouaras, I. Stavrakakis, Univ. of Athens, Greece

A New Path Selection Algorithm for MPLS Networks based on Available Bandwidth Estimation

Providing QoS in MPLS-ATM Integrated Environment
S. Sánchez-López, X. Masip-Bruin, J. Solé-Pareja, J. Domingo-Pascual, Univ. Politècnica de Catalunya, Spain

19.00 Social Event

Friday, October 18, 2002 (ICQT’02 Day 1)

8.30 – 9.00 Registration

9.00 - 10.30 Welcome

Keynote: Louis-Francois Pau, Rotterdam School of Management, The Netherlands and Ericsson Utviklings Core Network, Sweden:
Business Modeling Framework for Personalization in Mobile Business Services.

10.30 – 11.00 Coffee Break

11.00 - 13.00 Session 9: Charging Technologies

Charging Control and Transaction Accounting Mechanisms using IRTL (Information Resource Transaction Layer) Middleware for P2P Services
J. Hwang, P. Aravamudhan, E. Liddy, J. Stanton, J. Machnes, Syracuse Univ., U.S.A.

Design and Implementation of a Charging and Accounting Architecture for QoS-differentiated VPN Services to Mobile Users
T. G. Papaioannou, G. Stamoulis, Athens Univ. of Economics and Business, Greece

MIRA: A Distributed and Scalable WAN/LAN Real-time Measurement Platform
R. Romeral, A. García-Martínez, A. B. García, A. Azcorra, M. Álvarez-Campana, Univ. Carlos III Madrid and Technical Univ. of Madrid, Spain

Traceable Congestion Control
M. Welzl, Innsbruck Univ., Austria

13.00 – 14.00 Lunch

14.00 – 15.30 Session 10: Pricing Models

Applying the Generalized Vickrey Auction to Pricing Reliable Multicasts
A. Sureka, P. R. Warman, North Carolina State Univ., U.S.A.

InterQoS – Strategy Enterprise Game for Price And QoS Negotiation on the Internet

Resource Pricing under a Market-based Reservation Protocol
J. H. Lepler, K. Neuhoff, Cambridge Univ., U.K.

15.30 – 16.00 Coffee Break

16.00 – 17.30 Session 11: Economic Models and Security

The Economic Impact of Network Pricing Intervals
E. W. Fulp, Wake Univ. and D. S. Reeves, North Carolina State Univ., U.S.A.

Pricing and Resource Provisioning for Delivering E-Content On-Demand with Multiple Levels-of-Service
S. Jagannathan, K. C. Almeroth, Univ. of California, Santa Barbara, U.S.A.

Providing Authentication and Authorization Mechanisms for Active Service Charging
M. Bagnulo, B. Alarcos, M. Calderon, M. Sedano, Univ. Carlos III Madrid, Spain

17.30 Closing