

September 29, 2004 (Wednesday):

Fifth International Workshop on Quality of future Internet Services (QofIS'04)

8:30 – 9:00	Registration
9:00 – 9:30	<b>Opening Session</b> <i>Chair: Josep Solé-Pareta (Universitat Politècnica de Catalunya, Spain)</i> <ul style="list-style-type: none"><li>• <b>Welcome from the UPC:</b> <i>Prof. Juan Jesús Pérez (Vice-Rector for Ph. D. Program, Research and Technology Transfer, UPC)</i></li><li>• <b>Welcome from Telefónica</b></li></ul>
9:30 – 10:30	<b>Keynote presentation</b> <ul style="list-style-type: none"><li>• <b>Traffic Engineering Automated Manager Tool for IP QoS Network Management</b> <i>Prof. Ian F. Akyildiz (Georgia Institute of Technology, USA)</i></li></ul>
10:30 – 10:50	Coffee break
10:50 – 13:00	<b>Session I: Internet Applications (P2P and VoIP)</b> <i>Chair: Sergi Sánchez-López (Universitat Politècnica de Catalunya, Spain)</i> <ul style="list-style-type: none"><li>• <b>Performance Analysis of Peer-to-Peer Networks for File Distribution</b> <i>Ernst Biersack (Institut Eurecom, France), Pablo Rodriguez (Microsoft Research Ltd, Cambridge, United Kingdom) and Pascal Felber (Institut Eurecom, France)</i></li><li>• <b>MULTI+: Building Topology-Aware Overlay Multicast Trees</b> <i>Luis Garces-Erice, Ernst Biersack and Pascal Felber (Institut Eurecom, France)</i></li><li>• <b>Predicting the Perceptual Service Quality Using a Trace of VoIP</b> <i>Christian Hoene, Sven Wiethölter and Adam Wolisz (Technical University Berlin, Germany)</i></li><li>• <b>Evaluating the utility of media-dependent FEC in VoIP flows</b> <i>Gerardo Rubino and Martin Varela (Irisa - INRIA/Rennes, France)</i></li><li>• <b>Architecture of End-to-End QoS for VoIP Call Processing in the MPLS Network</b> <i>Chinchol Kim, Sangcheol Shin, Sangyong Ha (National Computerization Agency, Republic of Korea) and Kyongro Yoon, Sunyoung Han (Konkuk University, Republic of Korea)</i></li></ul>
13:00 – 15:00	Lunch
15:00 – 16:40	<b>Session II: Local Area and Ad Hoc Wireless Networks</b> <i>Chair: Vasilios Siris (ICS-FORTH and University of Crete, Greece)</i> <ul style="list-style-type: none"><li>• <b>Analysis of the Distribution of the Backoff Delay in 802.11 DCF: A Step Towards End-to-end Delay Guarantees in WLANs</b> <i>Albert Banchs (Universidad Carlos III de Madrid, Spain)</i></li><li>• <b>Analysis of the IEEE 802.11 DCF with Service Differentiation Support in Non-Saturation Conditions</b> <i>Li Bo and Roberto Battiti (University of Trento, Italy)</i></li><li>• <b>An Interaction Model and Routing Scheme for QoS Support in Ad Hoc Networks Connected to Fixed Networks</b> <i>Mari Carmen Domingo and David Remondo (Technical University of Catalonia, Spain)</i></li><li>• <b>Load Analysis of Topology-Unaware TDMA MAC Policies for Ad-Hoc Networks</b> <i>Konstantinos Oikonomou (INTRACOM S.A., Greece) and Ioannis Stavrakakis (University of Athens, Greece)</i></li></ul>

16:40 – 17:00	Coffee break
17:00 – 18:40	<p><b>Session III: Service Differentiation and Congestion Control</b>  <i>Chair: Jaudelice Cavalcante de Oliveira (Drexel University, USA)</i></p> <ul style="list-style-type: none"> <li>• <b>Performance of TCP/IP with MEDF Scheduling</b>  <i>Ruediger Martin, Michael Menth and Vu Phan-Gia (University of Wuerzburg, Germany)</i></li> <li>• <b>Ping Trunking: a Vegas-like Congestion Control Mechanism for Aggregated Traffic</b>  <i>Sergio Herrera-Alonso, Manuel Fernández-Veiga, Miguel Rodríguez-Pérez, Andrés Suárez-González, and Cándido López-García (Universidade de Vigo, Spain)</i></li> <li>• <b>An Aggregate Flow Marker for Improving TCP Fairness in Multiple Domain DiffServ Networks</b>  <i>Ji-Hoon Park, Kyeong Hur, Sungjun Lee and Choon Geun Cho (Korea University, Republic of Korea), Nhokyung Park (Hoseo University, Republic of Korea) and Doo-seop Eom (Korea University, Republic of Korea)</i></li> <li>• <b>Combined Use of Prioritized AIMD and Flow-Based Traffic Splitting for Robust TCP Load Balancing</b>  <i>Onur Alparslan, Nail Akar and Ezhan Karasan (Bilkent University, Turkey)</i></li> </ul>
19:00	Welcome reception

September 30, 2004 (Thursday):

Fifth International Workshop on Quality of future Internet Services (QofIS'04)

9:30 – 10:30	<b>Keynote presentation</b> <i>Chair: Jordi Domingo (Universitat Politècnica de Catalunya, Spain)</i> <ul style="list-style-type: none"><li>• <b>Risk and Resilience in Emerging Networks</b> <i>Prof. David Hutchison (University of Lancaster, United Kingdom)</i></li></ul>
10:30 – 10:50	Coffee break
10:50 – 13:00	<b>Session IV: Traffic Engineering and Routing</b> <i>Chair: Carla Raffaelli (Università di Bologna, Italy)</i> <ul style="list-style-type: none"><li>• <b>Online Traffic Engineering: A Hybrid IGP+MPLS Routing Approach</b> <i>Antoine Bagula (University of Stellenbosch, South Africa)</i></li><li>• <b>A Fast Heuristic for Genetic Algorithms in Link Weight Optimization</b> <i>Christoph Reichert and Thomas Magedanz (FhG Fokus, Germany)</i></li><li>• <b>A New Prediction-based Routing and Wavelength Assignment Mechanism for Optical Transport Networks</b> <i>Eva Marín-Tordera, Xavier Masip-Bruin, Sergio Sánchez-López, Josep Solé-Pareta and Jordi Domingo-Pascual (Universitat Politècnica de Catalunya, Spain)</i></li><li>• <b>On the Construction of QoS Enabled Overlay Networks</b> <i>Bart De Vleeschauwer, Filip De Turck, Bart Dhoedt and Piet Demeester (Ghent University, Belgium)</i></li><li>• <b>MPLS Protection Switching vs. OSPF Rerouting, a Simulative Comparison</b> <i>Sandrine Pasqualini, Andreas Iselt and Andreas Kirstaedter (Siemens AG, Germany) and Antoine Frot (ENST Bretagne, France)</i></li><li>•</li></ul>
13:00 – 15:00	Lunch
15:00 – 16:40	<b>Session V: Enforcing Mobility</b> <i>Chair: Fernando Boavida (Universidade de coimbra)</i> <ul style="list-style-type: none"><li>• <b>A Distributed-request-based DiffServ CAC for Seamless Fast-Handoff in Mobile Internet</b> <i>Kyeong Hur (University of Korea, Republic of Korea), Hyung-Kun Park (Korea University of Technology and Education, Republic of Korea), Yeonwoo Lee (i-Networking Lab., Republic of Korea), and Seon Wook Kim and Doo-seop Eom (Korea University, Republic of Korea)</i></li><li>• <b>Cross-layer analytical modeling of wireless channels for accurate performance evaluation</b> <i>Dmitri Moltchanov, Yevgeni Koucheryavy and Jarmo Harju (Tampere University of Technology, Finland)</i></li><li>• <b>Efficiency Issues in MPLS Transport for the UMTS Access Network</b> <i>Enrique Vazquez, Manuel Alvarez-Campana and Ana Belen García (Technical University of Madrid, Spain)</i></li><li>• <b>QoS Constraints in Bluetooth-based Wireless Sensor Network</b> <i>Veselin Rakocevic, Muttukrishnan Rajarajan, Kerry-Ann McCalla, and Charbel Boumitri (City University, United Kingdom)</i></li></ul>
16:40 – 17:00	Coffee break
17:00 – 18:40	<b>Panel session: New face for QoS: Will Novel Communication Paradigms make Internet QoS easy?</b> <i>Chair: Michael Smirnov (Fraunhofer FOKUS, Germany)</i>

21:00

Gala dinner

October 1, 2004 (Friday)

First Workshop on Quality of Service Routing (WqoSR'04)

9:30 – 9:45	<b>Opening Session</b> <i>Chair: Piet Van Mieghem (Delft University of Technology, The Netherlands)</i>
9:45 – 10:30	<b>Keynote presentation</b> <ul style="list-style-type: none"><li>• <b>Algorithmic Approaches and Challenges in QoS Routing</b> <i>Ariel Orda (Technion Haifa, Israel)</i></li></ul>
10:30 – 11:00	Coffee break
11:00 – 13:00	<b>Session I: Algorithms and Scalability Issues</b> <i>Chair: Olivier Bonaventure (Université Catholique de Louvain, Belgium)</i> <ul style="list-style-type: none"><li>• <b>A distributed algorithm to provide QoS by avoiding cycles in routes</b> <i>Juan Echague (Universidad Jaume I, Spain)</i></li><li>• <b>The Case for Source Address Dependent Routing in Multihoming</b> <i>Marcelo Bagnulo, Alberto García Martínez, Juan Rodríguez Hervella, Arturo Azcorra (University Carlos III Madrid, Spain)</i></li><li>• <b>QoS routing in DWDM Optical Packet Networks</b> <i>Paolo Zaffoni, Franco Callegati, Walter Cerroni, Giovanni Mureto, Carla Raffaelli (Università di Bologna, Italy)</i></li><li>• <b>A Proposal for Inter-Domain QoS Routing based on Distributed Overlay Entities and QBGP</b> <i>Marcelo Yannuzzi, Alexandre Fonte, Xavier Masip-Bruin, Edmundo Monteiro, Sergio Sánchez-López, Marilia Curado, Jordi Domingo-Pascual (Technical University of Catalonia, Spain and University of Coimbra, Portugal)</i></li></ul>
13:00 – 15:00	Lunch
15:00 – 17:00	<b>Session II: Novel Ideas and Protocol Enhancements</b> <i>Chair: Xavier Masi-Bruin (Universitat Politècnica de Catalunya, Spain)</i> <ul style="list-style-type: none"><li>• <b>Policy-Aware Connectionless Routing</b> <i>Bradley Smith, J. J. Garcia-Luna-Aceves (University of California, Santa Cruz, USA)</i></li><li>• <b>Maximum Flow Routing with Weighted Max-Min Fairness</b> <i>Miriam Allalouf, Yuval Shavitt (Tel-Aviv University, Israel)</i></li><li>• <b>Survivable Online Routing for MPLS Traffic Engineering</b> <i>Krzysztof Walkowiak (Wroclaw University of Technology, Poland)</i></li><li>• <b>Smart Routing with Learning-based QoS-aware Meta-strategies</b> <i>Ying Zhang, Markus Fromherz (Palo Alto Research Center, USA), Lukas Kuhn (Ludwig Maximilian University, Munich, Germany)</i></li></ul>
17:00 – 17:15	Workshop Closing

**October 1, 2004 (Friday): Forth International Workshop on Internet Charging and QoS Technology (ICQT'04)**

9:30 – 9:45	<p><b>Opening Session</b>  <i>Chair: Peter Reichl (FTW Vienna, Austria)</i></p>
9:45 – 10:30	<p><b>Keynote presentation</b>          •</p>
10:30 – 11:00	Coffee break
11:00 – 13:00	<p><b>Session I: Auctions and Game Theory</b>  <i>Chair: Richard Gibbens (University of Cambridge, U.K.)</i></p> <ul style="list-style-type: none"> <li>• <b>An Efficient Auction Mechanism for Hierarchically Structured Bandwidth Markets</b>  <i>Marina Bitsaki, George D. Stamoulis, Costas Courcoubetis (University of Crete, Greece, and Athens University of Economics and Business, Greece)</i></li> <li>• <b>Multi-bid versus Progressive Second Price Auctions in a Stochastic Environment</b>  <i>Patrick Maillé, Bruno Tuffin (CET/ENST Bretagne, and IRISA-INRIA Rennes, France)</i></li> <li>• <b>Multi-link Auctions for Network Resource Reservation and Pricing</b>  <i>Dominique Barth, Loubna Echabbi (Université de Versailles, France)</i></li> <li>• <b>A Game-Theoretic Analysis of TCP Vegas</b>  <i>Tuan Anh Trinh, Sándor Molnár (Budapest University of Technology and Economics, Hungary)</i></li> </ul>
13:00 – 15:00	Lunch
15:00 – 17:00	<p><b>Session II: Charging in Mobile Networks</b>  <i>Chair: Burkhard Stiller (University of Zurich and ETH Zurich, Switzerland)</i></p> <ul style="list-style-type: none"> <li>• <b>BarterRoom: A Novel Mobile and Wireless Roaming Settlement Model</b>  <i>Eng Keong Lua, Alex Lin, Jon Crowcroft and Valerie Tan (University of Cambridge, U.K., and Bluengine Holdings and Infocomm Development Authority, Singapore)</i></li> <li>• <b>Charging for Web Content Pre-fetching in 3G Networks</b>  <i>David Larrabeiti, Ricardo Romeral, Manuel Urueña, Arturo Azcorra, Pablo Serrano (Universidad Carlos III de Madrid, Spain)</i></li> </ul>
	<p><b>Session III: QoS Provisioning and Monitoring</b>  <i>Chair: Peter Reichl (FTW, Austria)</i></p> <ul style="list-style-type: none"> <li>• <b>Provider-level Service Agreements for Inter-domain QoS delivery</b>  <i>Panos Georgatsos, Jason Spencer, David Griffin, Takis Damilatis, Hamid Asgari, Jonas Griem, George Pavlou, Pierrick Morand (Algonet SA, Greece; University College London, Thales Research and Technology and University of Surrey, U.K.; and France Telecom R&amp;D, France)</i></li> <li>• <b>Operations Support System for End-to-End QoS Reporting and SLA Violation Monitoring in Mobile Services Environment</b>  <i>Bharat Bhushan, Jane Hall, Pascal Kurtansky, Burkhard Stiller (Fraunhofer FOKUS, Germany; ETH Zurich, Switzerland; UniBw Munich, Germany)</i></li> </ul>
17:00 – 17:15	Workshop Closing