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   Soggetti   Electrical engineering
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                    Operating systems (Computers)
                    Management information systems
                    Computer science
                    Communications Engineering, Networks
                    Computer Communication Networks
                    Information Systems Applications (incl. Internet)
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   Nota di bibliografia   Includes bibliographical references at the end of each chapters and index.

   Nota di contenuto   Invited Program -- Panel Discussion: How Will Media Distribution Work in the Internet? -- Invited Talk: Automated, Dynamic Traffic Engineering in Multi-service IP Networks -- Provisioning and Pricing -- Dynamic Core Provisioning for Quantitative Differentiated Service -- Towards Provisioning Diffserv Intra-Nets -- Analysis of Paris Metro Pricing Strategy for QoS with a Single Service Provider -- Why Value Is Everything: A User-Centered Approach to Internet Quality of Service

and Pricing -- Systems QoS -- Traveling to Rome: QoS Specifications for Automated Storage System Management -- Extending a Best-Effort Operating System to Provide QoS Processor Management -- User Focus in Consumer Terminals and Conditionally Guaranteed Budgets -- Routing -- Extending BGMP for Shared-Tree Inter-Domain QoS Multicast -- Granularity of QoS Routing in MPLS Networks -- Fault Tolerance and Load Balancing in QoS Provisioning with Multiple MPLS Paths -- On Selection of Paths for Multipath Routing -- TCP Related -- Preferential Treatment of Acknowledgment Packets in a Differentiated Services Network -- A Quantitative Model for the Parameter Setting of RED with TCP Traffic -- Evaluation of the QoS Offered by PRTP-ECN - A TCP-Compliant Partially Reliable Transport Protocol -- Wireless and Mobile -- GAME Based QoS Provisioning in Multimedia Wideband CDMA Networks -- QoS-Aware Adaptive Services in Mobile Ad-Hoc Networks -- Short Paper Session -- Experimental Extensions to RSVP Remote Client and One-Pass Signalling -- Extended Quality-of-Service for Mobile Networks -- Quality of Service Schemes for IEEE 802.11 A Simulation Study -- Differentiated Services over Shared Media -- End-to-Edge QoS System Integration: Integrated Resource Reservation Framework for Mobile Internet -- Problems of Elastic Traffic Admission Control in an HTTP Scenario -- Aggregation and Active Networks Based QoS -- Aggregation and Scalable QoS: A Performance Study -- Customizable Cooperative Metering for Multi-ingress Service Level Agreements in Differentiated Network Services -- Segmented Adaptation of Traffic Aggregates -- Scheduling and Dropping -- Differentiated Services with Lottery Queueing -- On Creating Proportional Loss-Rate Differentiation: Predictability and Performance -- Scheduling and Admission Control -- A Novel Scheduler for a Low Delay Service within Best-Effort -- JoBS: Joint Buffer Management and Scheduling for Differentiated Services -- Optimal Call Admission Control under Generalized Processor Sharing Scheduling.

Sommario/riassunto	Welcome to IWQoS2001 in Karlsruhe! Quality of Service is a very active research field, especially in the networking community. Research in this area has been going on for some time, with results getting into development and finally reaching the stage of products. Trends in research as well as a reality check will be the purpose of this Ninth InternationalW orkshopo n Quality of Service. IWQoS isa ver y successful seriesof workshops and has established itself as one of the premier forums for the presentation and discussion of new research and ideas on QoS. The importance of this workshop series is also reflected in the large number of excellents ubmissions. Nearly 150 papers from all continents were submitted to the workshop, about a fifth of these being short papers. The program committee were very pleased witht he quality of the submissions andh ad the difficult task of selecting the relatively small number of papers which could be accepted for IWQoS2001. Due to the tough competition, many very good papers had to be rejected.