1. Record Nr. UNISA996465295003316

Titolo	Quality of service in multiservice IP networks : second international workshop, QoS-IP 2003, Milano, Italy, February 24-26, 2003 : proceedings / / Marco Ajmone Marsan [and four others] (eds.)
Pubbl/distr/stampa	Berlin, Germany : , : Springer, , [2003] Â©2003
ISBN	3-540-36480-3
Edizione	[1st ed. 2003.]
Descrizione fisica	1 online resource (XVI, 764 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2601
Disciplina	004.66
Soggetti	Computer networks - Quality control Computer networks - Reliability Integrated services digital networks - Quality control
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Analytical Models I -- On Evaluating Loss Performance Deviation: A Simple Tool and Its Practical Implications -- Extending the Network Calculus Pay Bursts Only Once Principle to Aggregate Scheduling -- Modelling the Arrival Process for Packet Audio -- On Packet Delays and Segmentation Methods in IP Based UMTS Radio Access Networks -- QoS Routing -- On Performance Objective Functions for Optimising Routed Networks for Best QoS -- An Adaptive QoS-routing Algorithm for IP Networks Using Genetic Algorithms -- A QoS Routing Mechanism for Reducing the Routing Inaccuracy Effects -- Stability and Scalability Issues in Hop-by-Hop Class-Based Routing -- Measurements and Experimental Results -- Network Independent Available Bandwidth Sampling and Measurement -- Less than Best Effort: Application Scenarios and Experimental Results -- TStat: TCP STatistic and Analysis Tool -- End-to-End QoS Supported on a Bandwidth Broker -- Multidomain End to End IP QoS and SLA -- QoS Below IP -- Dimensioning Models of Shared Resources in Optical Packet Switching Architectures -- Efficient Usage of Capacity Resources in Survivable MP? S Networks -- Performance Evaluation of a Distributed Scheme for Protection against Single and Double Faults for MPLS -- Edge Distributed Admission Control for Performance Improvement in Traffic

Engineered Networks -- End-to-End QoS in IP Networks -- Bandwidth Estimation for TCP Sources and Its Application -- Best-Effort and Guaranteed Performance Services in Telecommunications Networks: Pricing and Call Admission Control Techniques -- TCP Smart Framing: A Segmentation Algorithm to Improve TCP Performance -- Live Admission Control for Video Streaming -- QoS Multicast -- DQM: An Overlay Scheme for Quality of Service Differentiation in Source Specific Multicast -- Directed Trees in Multicast Routing -- A Proposal for a Multicast Protocol for Live Media -- On the Use of Sender Adaptation to Improve Stability and Fairness for Layered Video Multicast -- Analytical Models II -- A New Fluid-Based Methodology to Model AQM Techniques with Markov Arrivals -- Stochastic Petri Nets Models for the Performance Analysis of TCP Connections Supporting Finite Data Transfer -- A Queueing Network Model of Short-Lived TCP Flows with MixedWired and Wireless Access Links -- TCP-SACK Analysis and Improvement through OMQN Models -- Optical Networks -- QoS Provision in Optical Networks by Shared Protection: An Exact Approach -- Design of WDM Networks Exploiting OTDM and Light-Splitters -- DWDM for QoS Management in Optical Packet Switches -- Space Division Architectures for Crosstalk Reduction in Optical Interconnection Networks -- Reconfigurable Protocols and Networks -- The RAMON Module: Architecture Framework and Performance Results -- Reconfigurable Packet Scheduling for Radio Access Jointly Adaptive to Traffic and Channel -- Mobility Management in a Reconfigurable Environment: The RAMON Approach -- Improving End-to-End Performance in Reconfigurable Networks through Dynamic Setting of TCP Parameters -- Provision of Multimedia Services -- Adaptive MPEG-4 Video Streaming with Bandwidth Estimation -- Dynamic Quality Adaptation Mechanisms for TCP-friendly MPEG-4 Video Transfer -- Traffic Sensitive Active Queue Management for Improved Multimedia Streaming -- A QoS Providing Multimedia Ad Hoc Wireless LAN with Granular OFDM-CDMA Channel -- QoS in Multidomain Networks -- SIP Originated Dynamic Resource Configuration in DiffServ Networks: SIP / COPS / Traffic Control Mechanisms -- Virtual Flow Deviation: Dynamic Routing of Bandwidth Guaranteed Connections -- Design and Implementation of a Test Bed for QoS Trials -- A Linux-Based Testbed for Multicast Sessions Set-Up in Diff-Serv Networks_ -- Invited Paper -- Light-Trails: A Solution to IP Centric Communication in the Optical Domain -- Congestion and Admission Control -- End-to-End Bandwidth Estimation for Congestion Control in Packet Networks -- Priority-Based Internet Access Control for Fairness Improvement and Abuse Reduction -- A Probing Approach for Effective Distributed Resource Reservation -- Dynamic Adaptation of Virtual Network Capacity for Deterministic Service Guarantees -- Architectures and Protocols for QoS Provision -- Towards RSVP Version 2 -- Analysis of SIP, RSVP, and COPS Interoperability -- Simulation Study of Aggregate Flow Control to Improve QoS in a Differentiated Services Network -- Quality of Service Multicasting over Differentiated Services Networks.

Sommario/riassunto

This book constitutes the refereed proceedings of the Second International Workshop on Quality of Service in Multiservice IP Networks, QoS-IP 2003, held in Milano, Italy in February 2003. The 53 revised full papers presented together with an invited paper were carefully reviewed and selected from 97 submissions. The papers are organized in topical sections on analytical models, QoS routing, measurements and experimental results, QoS below IP, end-to-end QoS in IP networks, QoS multicast, optical networks, reconfigurable protocols and networks, provision of multimedia services, QoS in multidomain networks, congestion and admission control, and

architectures and protocols for QoS provision.