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Soggetti	Application software Computer communication systems Information storage and retrieval Multimedia information systems User interfaces (Computer systems) Computer Applications Computer Communication Networks Information Storage and Retrieval Information Systems Applications (incl. Internet) Multimedia Information Systems User Interfaces and Human Computer Interaction
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Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Stream Control and Management -- CORBA-Based Stream Control and Management for IP-Based Production Studio Networks -- IP Video Streaming with Fine-Grained TCP-Friendly Rate Adaptation -- A Proposal for Distributed Conferencing on SIP Using Conference Servers -- Dynamic Configuration of Multimedia Applications -- Management and Control of Multicast Communications -- MAFIA: A Multicast Management Solution for Access Control and Traffic Filtering -- A Heuristic Algorithm for the Multi-constrained Multicast Tree -- The Performance of PoolODMRP Protocol -- M3G: A Mobile Multicast

Multimedia Gateway for Seamless IPv4/IPv6 Transition -- Ad hoc and Sensor Networks -- TCP Friendly Rate Adaptation for Multimedia Streaming in Mobile ad hoc Networks -- BeanWatcher: A Tool to Generate Multimedia Monitoring Applications for Wireless Sensor Networks -- Managing Services Quality through Admission Control and Active Monitoring -- Pervasive Accounting of Resource Consumption for Wireless Services with Adaptive QoS -- QoS and Mobility Management in Wireless Networks -- Delay Guaranteed Fair Queueing (DGFQ) in Multimedia Packet Networks -- Mobility Model for Multimedia Mobile Radio Network -- On Reciprocal Altruism and Its Application to QoS -- A Novel DCA Scheme for Resource Sharing in Cellular Environments with Heterogeneous Traffic -- Traffic Engineering and Routing -- A New Bandwidth Guaranteed Routing Approach for Online Calculation of LSPs for MPLS Traffic Engineering -- New Management Methods for Feature and Preference Interactions -- Minimum Interference Routing: The Precomputation Perspective -- A Virtual Signalling Protocol for Transparently Embedding Advanced Traffic Control and Resource Management Functionality in ATM Core Networks -- Differentiated Network Services -- Providing Enhanced Differentiated Services for Real-Time Traffic in the Internet -- Automatic Management of the QoS within an Architecture Integrating New Transport and IP Services in a DiffServ Internet -- Achieving Relative Differentiated Services Using Proportional Probabilistic Priority Scheduling on Network Processor -- On Demand Networking Using Policies -- Realizing on Demand Networking -- An Architecture for Access Network Management with Policies (AN-PBM) -- Administrative Policies to Regulate Quality of Service Management in Distributed Multimedia Applications -- Multimedia QoS Management -- Predicting Violations of QoS Requirements in Distributed Systems -- Scheduling Time-Sensitive IP Traffic -- Authentication Issues in Multi-service Residential Access Networks -- Secure Inclusion of Phones Into Online E-meetings -- End-to-End Monitoring Techniques and Services Workshop -- Evaluating the Accuracy of Active Measurement of Delay and Loss in Packet Networks -- On Using Multi-agent Systems in End to End Adaptive Monitoring -- A New Available Bandwidth Measurement Technique for Service Overlay Networks -- Management of Peer-to-Peer Networks Applied to Instant Messaging -- A Remote Resource Monitoring Approach in Active Networks -- SCAMPI: A Scalable and Programmable Architecture for Monitoring Gigabit Networks -- Architecture for Efficient Monitoring and Management of Sensor Networks -- Unicast Probing to Estimate Shared Loss Rate -- VoD Service Traffic Monitoring with Neural Agent -- MMNS Posters.

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## Sommario/riassunto

Welcome to MMNS 2003. Multimedia services over IP networks are proliferating at an enormous speed. There is also increasing demand for solutions that provide assured levels of service quality. All of these require novel paradigms, models, and architectures for realizing integrated end-to-end service management rather than managing network elements in isolation. Providing scalable Quality of Service (QoS) while maintaining fairness, along with secure and optimal network resource management, are key challenges for the future Internet. These challenges apply to both fixed and wireless networks. This book contains all of the papers presented at the 6th IFIP/IEEE International Conference on Management of Multimedia Networks and Services (MMNS 2003) hosted by The Queen's University of Belfast, Northern Ireland, September 7–10, 2003. MMNS 2003 follows the successful conferences held in Santa Barbara (2002), Chicago (2001), Fortaleza, Brazil (2000), Paris (1998), and Montreal (1997). MMNS uses single-track presentations, which provide an intimate setting for discussion

and debate. The conference is known for its high quality papers from various research communities. In just six years, MMNS has established itself as one of the premier conferences focusing on the management of multimedia networks and services. The conference objective is to bring - gether researchers working in all facets of network and service management as applied to broadband networks and multimedia services.

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