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| Nota di contenuto | Multimedia over Wireless -- Improving Interactive Video in Wireless Networks Using Path Diversity -- A Bandwidth-Efficient Application Level Framing Protocol for H.264 Video Multicast over Wireless LANs -- Adaptive Video Streaming in Presence of Wireless Errors -- Adaptive Multimedia Streaming -- Content-Based Adaptation of Streamed Multimedia -- Performance Assessment of the Quality-Oriented Adaptation Scheme -- An Adaptive Batched Patch Caching Scheme for Multimedia Streaming -- Novel Protocols in Wireless Systems -- Dynamic Cell-Based MAC Protocol for Target Detection Applications in Energy-Constrained Wireless Networks -- Reliable Collaborative Decision Making in Mobile Ad Hoc Networks -- Scalable Multimedia |

Systems -- Minimum-Cost Multicast Routing for Multi-layered Multimedia Distribution -- Efficient Management of Multimedia Attachments -- A New Class of Scheduling Policies for Providing Time of Service Guarantees in Video-on-Demand Servers -- MPLS: Bandwidth Provisioning and Control -- Bandwidth Constrained IP Multicast Traffic Engineering Without MPLS Overlay -- Weighted Fair RIO (WF-RIO) for Fair AF Bandwidth Allocation in a DiffServ-Capable MPLS Network -- Sub-network Based Hierarchical Segment Restoration in MPLS Network -- Distributed Systems Management -- Automated Validation of Service Configuration on Network Devices -- Agent-Based Mobile Multimedia Service Quality Monitoring -- A Performance-Oriented Management Information Model for the Chord Peer-to-peer Framework -- Proactive Quality of Service -- Real-Time Analysis of Delay Variation for Packet Loss Prediction -- SLA-Driven Flexible Bandwidth Reservation Negotiation Schemes for QoS Aware IP Networks -- An Enhanced Virtual Time Simulator for Studying QoS Provisioning of Multimedia Services in UTRAN -- Multimedia Service Control and Management -- Event-Based Programming Structures for Multimedia Information Flows -- sipc, a Multi-function SIP User Agent -- Optimizing Continuous Media Delivery by Multiple Distributed Servers to Multiple Clients Using a Genetic Algorithm -- Mobility: Control and Management -- Providing Seamless Mobility with Competition Based Soft Handover Management -- Large-Scale Mobile Multimedia Service Management in Next Generation Networks -- Mobility Prediction in Wireless Networks Using Neural Networks.

Sommario/riassunto

We are delighted to present the proceedings of the 7th IFIP/IEEE International Conference on Management of Multimedia Networks & Services (MMNS). The MMNS 2004 conference was held in San Diego, California, USA on October 4–6, 2004. As in previous years, the conference brought together an international audience of researchers and scientists from industry and academia who are - searching and developing state-of-the-art management systems, while creating a public venue for results dissemination and intellectual collaboration. This year marked a challenging chapter in the advancement of management s- tems for the wider management research community, with the growing compl- ities of the Internet, the proliferation of alternative wireless networks and mobile services, intelligent and high-speed networks, scalable multimedia services, and the convergence of computing and communications for data and voice delivery. Contributions from the research community met this challenge with 84 paper submissions; 26 selected high-quality papers were subsequently selected to form the MMNS 2004 technical program. The diverse topics in this year’s program included novel protocols in wireless systems, multimedia over wireless, mobility management, multimedia service control, proactive techniques for QoS mana- ment, MPLStra?c engineering and resiliency, distributed systems management, scalable multimedia systems, and adaptive methods for streaming multimedia.