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Enhancing TFRC for Video Streaming by Agnostically Using Applicative Cross Layer Semantics and Measure -- ILPS: A Scalable Multiple Description Coding Scheme for H.264 -- Arrival Process-Controlled Adaptive Media Playout for Video Streaming -- A Multicast-Based Enterprise VoIP Service Architecture: MEVA -- Wireless and ad-hoc Networks in Autonomic Content Networking -- Distributed Information Forwarding Using Delay Function in Wireless Mobile Networks -- A Seamless Mobility Scenario for IP over WiMAX -- Performance Evaluation of the Split Transmission in Multihop Wireless Networks -- Group and Multiparty Services in Autonomic Content Networks -- Employing Data Driven Random Membership Subset Algorithm for QoS-Aware Peer-to-Peer Streaming -- OASIS: An Overlay Abstraction for Re-architecting Large Scale Internet Group Services -- Interest-Based Peer-to-Peer Group Management -- Multiparty Session and Network Resource Control in the Context Casting (C-CAST) Project -- Quality in Video and Internet Services -- A Scalable Provisioning and Routing Scheme for Multimedia QoS over Ad Hoc Networks -- Realization of Free Viewpoint TV Based on Improved MVC -- A Non-intrusive Estimation for High-Quality Internet TV Services -- A Mathematical Model for Evaluating the Perceptual Quality of Video -- Effect of the Multiple Description Coding over a Hybrid Fixed-AdHoc Video Distribution Network -- Poster/Demo Session -- Speaker Verification System Using Extended Sequential Probability Ratio Test in PDA -- A Data Model for Content Modelling of Temporal Media -- The Design of a Low-Cost Wide Area Network Simulator -- Demonstrating Autonomic On-Demand Content Delivery -- A Real-Time End-to-End Testbed for Evaluating the Performance of Multimedia Services -- Meetecho: A Standard Multimedia Conferencing Architecture -- Portable Device-Centric Streaming Service -- Allocation of Multiple Advertisement on Limited Space: Heuristic Approach -- Performance Evaluations of a QoE-Based Multipath Video Streaming Mechanism over Video Distribution Network (VDN) -- Video Artifacts Assessment for Live Mobile Streaming Applications -- H.264 Rate-Distortion Analysis Using Subjective Quality Metric -- OASIS Archive -- Open Archiving System with Internet Sharing.

Sommario/riassunto

This book constitutes the thoroughly refereed proceedings of the Future Multimedia Networking Workshop, FMN 2009, held in Coimbra, Portugal, in June 2009. This year's workshop focuses on various aspects of multimedia systems, content networking, and autonomous communication. The 16 revised papers presented were carefully reviewed and selected from 64 submissions. Further this year a demonstration session on Future Multimedia Networks was held from which 12 papers were accepted. The papers are organized in topical sections on streaming and voice services in future multimedia networks; wireless & ad hoc networks in autonomic content networking; group and multiparty services in autonomic content networking, as well as quality in video and internet services.