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Novel Bandwidth Estimation Algorithm for Multimedia Services over IEEE
802.11 Wireless Networks -- A Cost Function for QoS-Aware Routing in
Multi-tier Wireless Multimedia Sensor Networks -- VoIP and Vocal

-- NIDA: A Parametric Vocal Quality Assessment Algorithm over

Transient Connections -- Voice2Web: Architecture for Managing Voice-

Applications -- QoE Assessment of VoIP in Next Generation Networks

Application Access to Web Resources -- Peer-to-Peer Multimedia Networks -- A Robust Algorithm for the Membership Management of Super-Peer Overlay -- An Evaluation Criterion for Adaptive Neighbor Selection in Heterogeneous Peer-to-Peer Networks -- Improving Performance of ALM Systems with Bayesian Estimation of Peers Dynamics -- Short Papers -- Quality of Service for Multicasting in Content Addressable Networks -- An Architecture for IMS Services Using Open Source Infrastructure -- Data Aggregation Scheme for a Multi-Application WSN -- Context-Aware IPTV -- COOCHING: Cooperative Prefetching Strategy for P2P Video-on-Demand System.

## Sommario/riassunto

This book constitutes the refereed proceedings of the 12th IFIP/IEEE International Conference on Management of Multimedia and Mobile Networks and Services, MMNS 2009, held in Venice, Italy, in October 2009, as part of the 5th International Week on Management of Networks and Services, Manweek 2009. The 13 revised full papers presented together with 5 poster papers were carefully reviewed and selected from 37 submissions. The papers are organized in topical sections on multimedia networks and systems management, multimedia quality, VoIP and vocal applications, and peer-to-peer multimedia networks.