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Soggetti	Computer networks User interfaces (Computer systems) Human-computer interaction Application software Electronic data processing - Management Electronic digital computers - Evaluation Computer Communication Networks User Interfaces and Human Computer Interaction Computer and Information Systems Applications IT Operations System Performance and Evaluation
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Nota di contenuto	Bandwidth Allocation and Traffic Control -- Models for Capacity Demand Estimation in a TV Broadcast Network with Variable Bit Rate TV Channels -- A Distributed Scheme for Value-Based Bandwidth Reconfiguration -- A Fair and Dynamic Load-Balancing Mechanism -- The Impact of Congestion Control Mechanisms on Network

Performance after Failure in Flow-Aware Networks -- Statistical Analysis -- On the Dependencies between Internet Flow Characteristics -- Peer-Level Analysis of Distributed Multimedia Content Sharing -- Volume Anomaly Detection in Data Networks: An Optimal Detection Algorithm vs. the PCA Approach -- Traffic Engineering -- Traffic Engineering of Telecommunication Networks Based on Multiple Spanning Tree Routing -- Local Restoration for Trees and Arborescences -- Blind Maximum-Likelihood Estimation of Traffic Matrices in Long Range Dependent Traffic -- Optimizing Network Performance in Multihoming Environments -- Optical Networks and Video Communications -- Performance of Optical Ring Architectures with Variable-Size Packets: In-Line Buffers vs Semi-synchronous and Asynchronous Transparent MAC Protocols -- A Priority-Based Multiservice Dynamic Bandwidth Allocation for Ethernet Passive Optical Networks -- High-Performance H.264/SVC Video Communications in 802.11e Ad Hoc Networks -- Framework for Personal TV.

Sommario/riassunto

Designing the future internet requires an in-depth consideration of the mana- ment,dimensioningandtra'ccontrolissuesthatwillbe involvedinthe network operations of these networks. The International Workshop on Tra'c Mana- ment and Tra'c Engineering of the Future Internet, FITraMEn2008, organized 1 within the framework of the Network of Excellence Euro-NF,providedanopen forum to present and discuss new ideas in this area in the context of ?xed, wireless and spontaneous (ad hoc and sensor) networks. TheNetworkofExcellenceEuro-NF" AnticipatingtheNetworkoftheFuture - From Theory to Design" is a European project funded by the European Union withintheSeventhFrameworkProgram.ThefocusofEuro-NFistodevelopnew principles and methods to design/dimension/control/manage multi-technology architectures. The emerging networking paradigms raise new challenging sci- ti'c and technological problems embedded in complex policy, governance, and worldwide standards issues. Dealing with the diversity of these scienti'c and social, political and economic challenges requires the integration of a wide range of research capabilities, a role that Euro-NF aims to ful'll. This proceedings volume contains a selection of the research contributions presented at FITraMEn 2008. The workshop was held December 11-12, 2008 in 2 Porto, Portugal, organized by Instituto de Telecomunica¸ c~ oes .