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Soggetti	Computer communication systems Electrical engineering Coding theory Information theory Special purpose computers Input-output equipment (Computers) Computers Computer Communication Networks Communications Engineering, Networks Coding and Information Theory Special Purpose and Application-Based Systems Input/Output and Data Communications Models and Principles
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Nota di contenuto	A path selection method in ATM using pre-computation -- Design and evaluation of distributed link and path restoration algorithms for ATM meshed networks -- Scalability enhancements for connection-oriented networks -- Fair queueing algorithms for packet scheduling in BISDN -- Burstiness bounds based multiplexing schemes for VBR video connections in the B-ISDN -- Implications of self-similarity for providing end-to-end QOS guarantees in high-speed networks: A

framework of application level traffic modeling -- Multimedia call control: A centralized approach -- A generic concept for large-scale multicast -- On the potentials of forward error correction mechanisms applied to real-time services carried over B-ISDN -- Can self-similar traffic be modeled by Markovian processes? -- Modeling and analysis of MPEG video sources for performance evaluation of broadband integrated networks -- On the scalability of the demand-priority LAN a performance comparison to FDDI for multimedia scenarios -- A fast switch algorithm for ABR traffic to achieve max-min fairness -- Virtual partitioning by dynamic priorities: Fair and efficient resource-sharing by several services -- A performance study of the local fairness algorithm for the MetaRing MAC protocol -- Experiences with multimedia teleshopping applications over a broadband network — The project ESSAI -- Multimedia multipoint teleteaching over the European ATM pilot -- A universal scaling principle for ATM based connectionless servers -- The UMTS Mobility Server: A solution to support third generation mobility in ATM -- VSAT satellite networks providing ATM service -- Predictive congestion control for broadband satellite systems -- Single-frequency packet network using stack algorithm and multiple base stations -- Broadband access in RECIBA B-ISDN experimental platform -- LARNet, a wavelength division multiplexed network for broadband local access -- Design of a large ATM switch with trunk grouping -- End-to-end performance evaluation of datagram acceptance control in DQDB-ATM-DQDB CL network -- Comparison of Explicit Rate and Explicit Forward Congestion Indication Flow Control Schemes for ABR service.

Sommario/riassunto

This book constitutes the refereed proceedings of the 1996 International Zurich Seminar on Digital Communications, IZS'96, held in Zurich, Switzerland, in February 1996 and focusing on broadband communications. The 26 revised papers were selected from a total of some 70 submissions and give a snapshot of the state of the art in broadband communications. The book is divided into sections on broadband network architectures, designing for quality of service guarantees, protocol support for multimedia/multipoint services, traffic modeling and performance evaluation, fairness in resource allocation, applications, server functions in ATM, satellite and wireless networks, broadband access and switching, and acceptance and congestion control.
