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Nota di contenuto	Self-similar(“fractal”) traffic in ATM networks -- A service kernel for multimedia endstations -- Advance reservation of network resources for multimedia applications -- Media scaling in distributed multimedia object services -- An interactive cable television network for multimedia applications -- Eurescom IMS1 projects -- Hypermedia information retrieval system using MHEG coded representation in a networked environment -- Transparent ATM LAN interconnection over ISDN -- CPU utilization of multimedia processes: HeiPOET — The Heidelberg predictor of execution times measurement tool -- Extending the rate-monotonic scheduling algorithm to get shorter delays -- A multimedia application adaptation layer (MAAL) protocol -- Adaptation Layer and Group Communication Server for Reliable

Multipoint services in ATM networks -- TIP: A transport and internetworking package for ATM -- Multimedia and hypermedia synchronization: A unified framework -- Multimedia playout synchronization using buffer level control -- eXtended color cell compression — A runtime-efficient compression scheme for software video -- QoS adaptation and flow filtering in ATM networks -- Optimal resource management in ATM transport networks supporting multimedia traffic -- Incorporating security functions in multimedia conferencing applications in the context of the MICE project -- Secure multimedia applications and teleservices — Security requirements and prototype for health care -- The BERKOM Multimedia Teleservices -- The CIO multimedia Communication Platform -- From requirements to services: Group Communication Support for Distributed Multimedia Systems -- Harmonization of an infrastructure for flexible distance learning in Europe with CTA -- Dedicated — Modular training System DELTA project D2014 -- Multimedia teletutoring over a Trans-European ATM network -- A framework for synchronous tele-cooperation -- Multimedia Conferencing services in an open distributed environment -- ISABEL Experimental distributed cooperative work application over broadband networks -- Demonstrating image communication within open distributed environments -- Design and implementation of a high quality video distribution system using XTP reliable multicast -- An object-oriented implementation of the Xpress Transfer Protocol -- Development of a multimedia archiving teleservice using the DFR standard -- MOSS as a multimedia-object server -- The Universal Personal Telecommunication service in a multi-operator environment -- On the personal communications impacts on multimedia teleservices.

Sommario/riassunto

This volume contains the proceedings of the Second International Workshop on Advanced Teleservices and High-Speed Communication Architectures (IWACA '94), held in Heidelberg, Germany in September 1994. The IWACA Workshop is a platform for the exchange among researchers and developers from both the multimedia applications and the high-speed telecommunication communities. The book presents revised versions of the 36 papers accepted for presentation at the workshop. They cover several aspects of multimedia applications and asynchronous transfer mode (ATM), and focus on ATM-LANs and ATM for the wide area high-performance network of the future.