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Soggetti	Operating systems (Computers) Application software Computer communication systems Electrical engineering Operating Systems Computer Applications Computer Communication Networks Information Systems Applications (incl. Internet) Communications Engineering, Networks
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Nota di contenuto	Overview of the workshop -- Operating system support for the Desk Area Network -- Adaptive real-time resource management supporting modular composition of digital multimedia services -- Micronet machines — New architectural approaches for multimedia end-systems -- SVR4UNIX scheduler unacceptable for multimedia applications -- Extending the Chorus micro-kernel to support continuous media applications -- User-level real-time threads: An approach towards high performance multimedia threads -- IEEE 802.12 Demand Priority and multimedia -- A scheduling discipline and admission control policy for Xunet 2 -- Modeling VC, VP and VN bandwidth assignment strategies in broadband networks -- Dynamic QOS control based on real-time threads -- A multimedia enhanced transport service in a Quality of

Service Architecture -- Framework for implementing the next generation of communication protocols -- Queue monitoring: A delay jitter management policy -- Performance bottlenecks in digital movie systems -- Frame-Induced Packet Discarding: An efficient strategy for video networking -- ATM as a link in an ST-2 internet -- Reservation protocols for internetworks: A comparison of ST-II and RSVP -- Probabilistic assignment of movies to storage devices in a video-on-demand system -- Operating system support for a video-on-demand file service -- The evaluation of video layout strategies on a high-bandwidth file server -- Network support for dynamically scaled multimedia data streams -- A unified framework for multicast forwarding -- Filter propagation in dissemination trees: Trading off bandwidth and processing in continuous media networks.

Sommario/riassunto

This book constitutes the thoroughly revised proceedings of the Fourth International Workshop on Network and Operating System Support for Digital Audio and Video (NOSSDAV '93), held in Lancaster, UK in November 1993. The 24 papers presented in the volume were carefully selected from more than 100 submissions. In addition, the book contains an introduction by the editors as well as a summary of the discussions that occurred during the workshop and a record of the panel and work-in-progress session. The book is organized into chapters on end system architecture, operating system support, high speed networking, quality of service, protocol issues, resource reservation in heterogeneous networks, and storage servers and multicast.
