

1. Record Nr.	UNINA9910826989103321
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Titolo	Group communication / / Peter Hartley
Pubbl/distr/stampa	London ; ; New York, : Routledge, 1997
ISBN	1-134-83331-8 1-280-53959-3 0-203-13513-X 1-134-83332-6 9786610539598
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xiii,338 p.) : ill
Collana	Lecture notes in computer science, , 0302-9743 ; ; 1736
Disciplina	302.3/4
Soggetti	Communication in small groups
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A Preference Clustering Protocol for Large-Scale Multicast Applications. - Layered Multicast Group Construction for Reliable Multicast Communications.- Building Groups Dynamically: A CORBA Group Self-Design Service.- Issues in Designing a Communication Architecture for Large-Scale Virtual Environments.- HyperCast: A Protocol for Maintaining Multicast Group Members in a Logical Hypercube Topology. - Support for Reliable Sessions with a Large Number of Members.- Distributed Core Multicast (DCM): A Multicast Routing Protocol for Many Groups with Few Receivers.- A Distributed Recording System for High Quality Mbone Archives.- Reducing Replication of Data in a Layered Video Transcoder.- Providing Interactive Functions through Active Client-Buffer Management in Partitioned Video Multicast VoD Systems.- A Multicast Transport Protocol for Reliable Group Applications.- Efficient Buffering in Reliable Multicast Protocols.- Native IP Multicast Support in MPLS.- Cyclic Block Allocation: A New Scheme for Hierarchical Multicast Address Allocation.- Survivable ATM Group Communications Using Disjoint Meshes, Trees, and Rings.- The Direction of Value Flow in Connectionless Networks.- Techniques for Making IP Multicast Simple and Scalable.- Watercasting: Distributed Watermarking of Multicast Media.- MARKS: Zero Side Effect Multicast

Key Management Using Arbitrarily Revealed Key Sequences.- Multicast Service Differentiation in Core-Stateless Networks.

Sommario/riassunto

This book constitutes the refereed proceedings of the First International COST 264 Workshop on Networked Group Communication, NGC'99, held in Pisa, Italy in November 1999. The 20 revised full papers presented are carefully reviewed and selected from a total of 49 submissions. Among the topics addressed are communication protocols, multicast communication, communication architectures, large-scale virtual environments, group communication, group building, community computing, multicast routing, Internet services, interactive multimedia, telecommunication service management, etc.
