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Soggetti	Electrical engineering Computer communication systems Application software Multimedia information systems Management information systems Computer science Communications Engineering, Networks Computer Communication Networks Information Systems Applications (incl. Internet) Multimedia Information Systems Management of Computing and Information Systems
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Nota di contenuto	Broadband traffic characteristics -- Broadband service models -- Accounting for cell delay variation -- Statistical resource sharing -- Connection admission control -- Weighted fair queueing -- Access network design -- MAC protocols for access to B-ISDN -- Generic architecture and core network design -- Multiservice network dimensioning -- Virtual path network design -- Resource management and routing -- Traffic modelling -- General tools for queueing analysis -- Cell scale queueing -- Burst scale loss systems -- Burst scale delay systems -- Multi-rate models.

Sommario/riassunto

This coherently structured and authorative text is the final report of the European Action COST 242, devoted to advancing research in the field of multiservice network design and performance evaluation. The excellent results presented are largely based on some 240 action reports compiled in cooperation between researchers from academia and professionals from industry and discussed during the COST 242 meetings. The 18 chapters of the book are divided into parts on traffic control in broadband networks, broadband network design, and traffic models and queueing analysis; also included is a bibliography listing 412 entries. This work essentially advances the state of the art in the area and is relevant to the international networking community at large.