Survivability And Traffic Grooming In Wdm Optical Networks

[DOWNLOAD HERE](#)

Book providing coverage of survivability and traffic grooming; two key issues in modern optical networks.The advent of fiber optic transmission systems and wavelength division multiplexing (WDM) have led to a dramatic increase in the usable bandwidth of single fiber systems. This 2006 book provides detailed coverage of survivability (dealing with the risk of losing large volumes of traffic data due to a failure of a node or a single fiber span) and traffic grooming (managing the increased complexity of smaller user requests over high capacity data pipes), both of which are key issues in modern optical networks. A framework is developed to deal with these problems in wide-area networks, where the topology used to service various high-bandwidth (but still small in relation to the capacity of the fiber) systems evolves toward making use of a general mesh. Effective solutions, exploiting complex optimization techniques, and heuristic methods are presented to keep network problems tractable. Newer networking technologies and efficient design methodologies are also described. EAN/ISBN : 9780511133961 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Somani, Arun

[DOWNLOAD HERE](#)

Similar manuals: