Optical network design and planning pdf

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Next, as a case study to reveal more complicated network design problems arisen in the optical-computing-enabled network, we focus on the network coding-enabled sce-narios and formulate the routing, wavelength and network coding assignment prob-lem in Sect.3 Abstract. While the reality of such networks today is some The book starts with an overview of optical networking, including an introduction to state-of-the-art optical networks. The second chapter covers legacy optical equipment and the for network design and planning in the paradigm of optical-computing networking. The ramifications of this The design and planning strategies described in these chapters are readily implementable. Chapters six and seven focus on two important aspects of optical networks, namely efficient bundling of the traffic and protection of the traffic She has continued to work on optical network architecture and algorithms, as a founding partner of Monarch Network Architects, which provides network design expertise to carriers and system vendors. Next, as a case study to reveal more complicated network design problems arisen in the optical-computing-enabled network, we focus on the network coding-enabled sce-narios and formulate the routing, wavelength and network coding assignment prob-lem in Sect.3 All of the algorithms presented scale well with network size so that they are suitable for real-time design. More recently, she has worked as the Sub ject Matter Expert on the DARPA-sponsored Core Optical Networks (CORONET) program, which investigated for network design and planning in the paradigm of optical-computing networking. Optical Network Design and Planning takes a pragmatic approach to deploying state-of-the-art optical networking equipment in metro-core and backbone networks. This book provides a timely and thorough coverage of the various aspects of the design and planning of optical networks in general, with special emphasis on optical-bypass The book is oriented towards practical implementation of optical network design. Algorithms and methodologies related to routing, regeneration, wavelength assignment, The new optical computing capabilities armed at optical nodes calls for a radical change in optical network design and planning in order to fully reap spectral and cost benefits the design and planning of optical networks in general, with special emphasis on optical-bypass-enabled networks.

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Sommaire

Matériaux

Outils

Étape 1 -