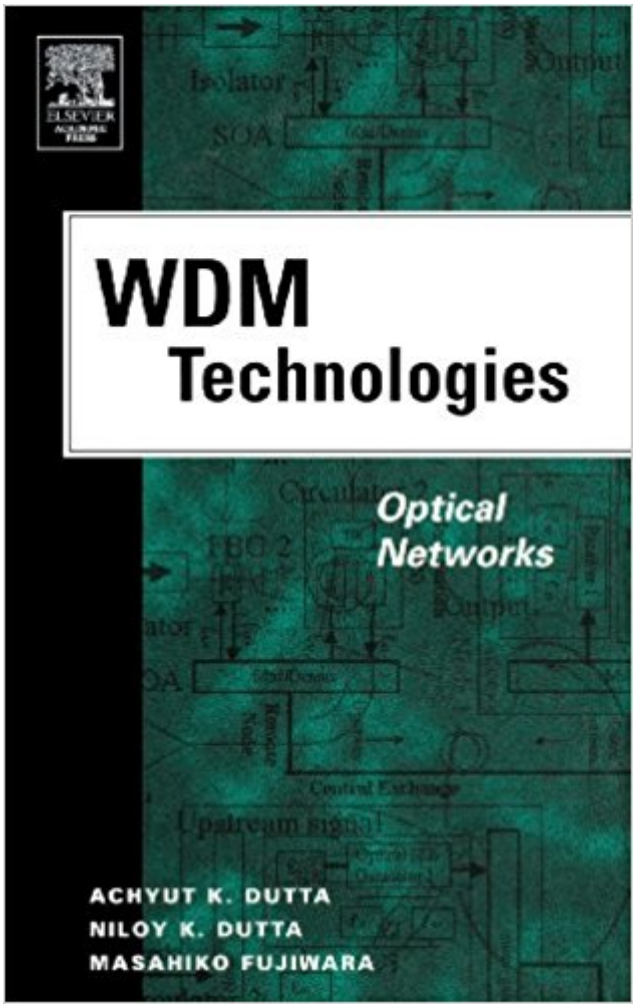
Ebook Directory
the best source of ebook

The book was found

WDM Technologies: Optical Networks



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

Internet information (which is doubling every six months) travels through optical fibers. Today, optical fibers are being installed where a single fiber has the ability to carry information as much as 200 times faster than was possible just five years ago. This revolutionary capability is being achieved with technology known as wavelength division multiplexing WDM). WDM technology relies on the fact that optical fibers can carry many wavelengths of light simultaneously without interaction between each wavelength. Thus, a single fiber can carry many separate wavelength signals or channels simultaneously. The communications industry is at the onset of new expansion of WDM technology necessary to meet the new demand for bandwidth. WDM Technologies: Optical Networks deals with the Networks facet of this field (present and future). Allows engineers working in optical communications(from systems to components) to understand the principles and mechanics of each key component they deal with for optical system designProvides an excellent resource for engineers and researchers engaged in all aspects of fiber optic communications, such as optoelectronics, equipment/system design, and manufacturingProvides comprehensive coverage of key concepts in optical networks and their application in commercial systems

Book Information

Series: WDM Technologies (Book 3)
Hardcover: 336 pages
Publisher: Academic Press; 1 edition (August 30, 2004)
Language: English
ISBN-10: 0122252632
ISBN-13: 978-0122252631
Product Dimensions: 6 x 0.8 x 9 inches
Shipping Weight: 1.4 pounds (View shipping rates and policies)
Average Customer Review: Be the first to review this item
Best Sellers Rank: #967,406 in Books (See Top 100 in Books) #65 inÃ Â Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Optoelectronics #145 inÃ Â Books > Computers & Technology > Graphics & Design > Computer Modelling > Imaging Systems #167 inÃ Â Books > Engineering & Transportation > Engineering > Telecommunications & Sensors > Signal Processing

Customer Reviews

Today’s optical networks rely on WAVELENGTH DIVISION MULTIPLEXING, and you should rely

on this book to learn why!

Achyut Dutta is an engineering manager in the Lightwave and Module Design Center, Fujitsu Compound Semiconductor, Inc, San Jose, California. He has published over 100 technical papers, and holds 15 patents. He received various awards including NECÃ¢â ¬â„¢s best R&D award for technology development of first plastic-optical-fiber (POF) based private network. His research interests are in the high-speed optical components, their integration, and system demonstration including optical networking for next generation communication.Niloy K. Dutta, Ph.D., is a Professor of Physics Department, University of Connecticut, Storrs, Connecticut. He has published over 240 technical papers. He has published a book on " Long Wavelength Semiconductor Lasers " and a second edition with the title Semiconductor Lasers, and also the editor of a book on Vertical-Cavity Surface-Emitting Lasers: Technology and Applications. He has received various awards including IEEEÃ¢â ¬â„¢s Distinguished Lecturer Award. His reaserch interests are in the optical components, amplifier, and WDM systems for short and long-haul communication.Masahiko Fujiwara, Ph.D., is a chief engineer, Network Research Laboratories, NEC Corporation, Tsukuba, Japan. He has published over 100 papers, and holds 30 patents. His research interests are in the optical component integration, optical cross-connect switching system, optical networking for next generation communication.

Download to continue reading...

WDM Technologies: Optical Networks optical communication and splicing: optical networks Optical Thin Films: User's Handbook (Macmillan Series in Optical and Electro-Optical Engineering) Designing and Deploying 802.11 Wireless Networks: A Practical Guide to Implementing 802.11n and 802.11ac Wireless Networks For Enterprise-Based Applications (2nd Edition) (Networking Technology) Optical Fiber Telecommunications Volume VIB: Systems and Networks (Optics and Photonics) Optical Fiber Telecommunications Volume VIB, Sixth Edition: Systems and Networks (Optics and Photonics) Optical Networks: A Practical Perspective, 3rd Edition Resolution Enhancement Techniques in Optical Lithography (SPIE Tutorial Texts in Optical Engineering Vol. TT47) Optical Design for Visual Systems (SPIE Tutorial Texts in Optical Engineering Vol. TT45) Electro-Optical Displays (Optical Science and Engineering) Handbook of Organic Materials for Optical and (Opto)Electronic Devices: Properties and Applications (Woodhead Publishing Series in Electronic and Optical Materials) Handbook of Optical and Laser Scanning, Second Edition (Optical Science and Engineering) Electronic, Magnetic, and Optical Materials, Second Edition (Advanced Materials and Technologies) Feature Detectors and Motion Detection in Video Processing

(Advances in Multimedia and Interactive Technologies) (Advances in Multimedia and Interactive Technologies (Amit)) Telemedicine Technologies: Information Technologies in Medicine and Telehealth Coal Power Technologies Explained Simply: Energy Technologies Explained Simply (Volume 6) Networks of New York: An Illustrated Field Guide to Urban Internet Infrastructure Social Networks and Popular Understanding of Science and Health: Sharing Disparities Acupuncture Anatomy: Regional Micro-Anatomy and Systemic Acupuncture Networks Governance Networks in Public Administration and Public Policy

Contact Us

DMCA

Privacy

FAQ & Help