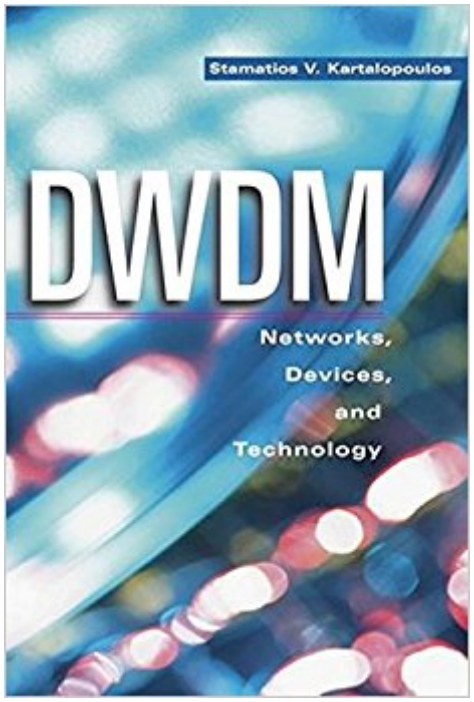
DWDM: Networks, Devices, And Technology



Synopsis

An A-to-Z look at an increasingly important technology: DWDM The race for unprecedented bandwidth is on - and DWDM(Dense Wave-length Division Multiplexing) is opening the way. DWDM is the technology that allows multiple streams of data to flow in one optical fiber of optical communication network. DWDM is the key technology at the heart of new systems and networks that offers more bandwidth at less cost. Soon, DWDM promises to change bandwidth from a premium to a commodity item. DWDM: Networks, Devices, and Technology provides a comprehensive treatment of DWDM, its technology, systems, and networks, as well as engineering design. It explains how DWDM works, how it is used in system design, how optical network architecture can benefit from DWDM, and what the design issues are. Written by an expert in the field, the book covers: Current telecommunication networks and their issues Current telecommunication systems and networks New and emerging photonic technologies in development Optical and photonic physics that describe DWDM componentsÃƒÂ¢??the building blocks of DWDM - and how they are used New optical systems, devices, and networks that are replacing electronics How optical and photonic devices are used in photonic systems How DWDM systems are engineered and constructed using photonic components The strengths, faults, efficiencies, and issues relevant to DWDM systems and networks New emerging technologies Suitably detailed yet clear and concise, this is a comprehensive reference that makes this new technology wholly accessible to both practicing engineers and students.

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Customer Reviews

"...very well-written and easy to read...contains invaluable resources for DWDM implementations for both beginners and advanced readers." (IEEE Communications Magazine, September 2003) "...an outstanding source of knowledge about optical systems...very well written and easy to read..." (Comsoc.org, September 2003)

An A-to-Z look at an increasingly important technology: DWDM The race for unprecedented bandwidth is on--and DWDM (Dense Wave-length Division Multiplexing) is opening the way. DWDM is the technology that allows multiple streams of data to flow in one optical fiber of optical communication network. DWDM is the key technology at the heart of new systems and networks that offers more bandwidth at less cost. Soon, DWDM promises to change bandwidth from a premium to a commodity item. DWDM: Networks, Devices, and Technology provides a comprehensive treatment of DWDM, its technology, systems, and networks, as well as engineering design. It explains how DWDM works, how it is used in system design, how optical network architecture can benefit from DWDM, and what the design issues are. Written by an expert in the field, the book covers: Current telecommunication networks and their issues Current telecommunication systems and networks New and emerging photonic technologies in development Optical and photonic physics that describe DWDM components--the building blocks of DWDM--and how they are used New optical systems, devices, and networks that are replacing electronics How optical and photonic devices are used in photonic systems How DWDM systems are engineered and constructed using photonic components The strengths, faults, efficiencies, and issues relevant to DWDM systems and networks New emerging technologies Suitably detailed yet clear and concise, this is a comprehensive reference that makes this new technology wholly accessible to both practicing engineers and students.

For those interested in learning more into the DWDM Network technology this book is a must have. It provides an excellent approach and understanding to the network technology!

Prostheses: Design, Types, and Complications (Biomedical Devices and Their Applications; Medical Devices and Equipment) US Army Technical Manual, ARMY DATA SHEETS FOR CARTRIDGES, CARTRIDGE ACTUATED DEVICES AND PROPELLANT ACTUATED DEVICES, FSC 1377, TM 43-0001-39, 1991 ISO 14971:2007, Medical devices - Application of risk management to medical devices ISO 14971:2000, Medical devices -- Application of risk management to medical devices Blockchain: Step By Step Guide To Understanding The Blockchain Revolution And The Technology Behind It (Information Technology, Blockchain For Beginners,Bitcoin, Blockchain Technology) Fintech: Simple and Easy Guide to Financial Technology(Fin Tech, Fintech Bitcoin, financial technology fintech, Fintech Innovation, Fintech Gold, ... technology,equity crowdfunding) (Volume 1) FINTECH: Simple and Easy Guide to Financial Technology(Fin Tech, Fintech Bitcoin, financial technology fintech, Fintech Innovation, Fintech Gold, Financial services technology,equity crowdfunding) Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) Silica Optical Fiber Technology for Devices and Components: Design, Fabrication, and International Standards Devices and Designs: Medical Technologies in Historical Perspective (Science, Technology and Medicine in Modern History) Principles and Analysis of Aigaas/GAAS Heterojunction Bipolar Transistors (Solid State Technology & Devices Library) Semiconductor Devices: Physics and Technology How Mobile Devices Are Changing Society (Science, Technology, and Society) Electronic Devices (Conventional Current Version) (10th Edition) (What's New in Trades & Technology) Business and Technology of the Global Polyethylene Industry: An In-depth Look at the History, Technology, Catalysts, and Modern Commercial Manufacture of Polyethylene and Its Products Polyurethanes: Science, Technology, Markets, and Trends (Wiley Series on Polymer Engineering and Technology) Introduction to Hydro Energy Systems: Basics, Technology and Operation (Green Energy and Technology)