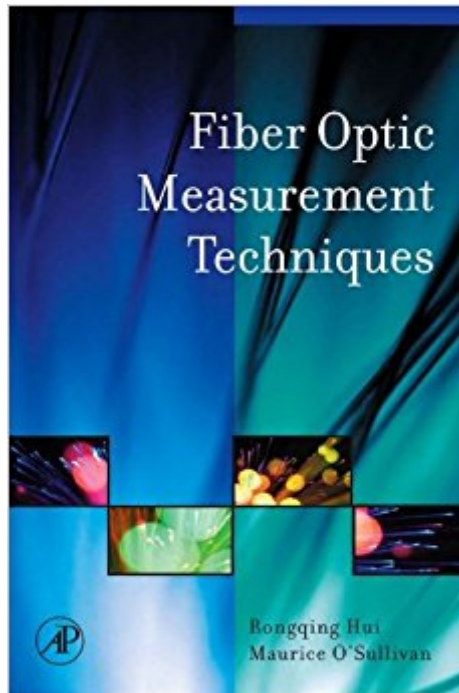




Ebook Directory
the best source of ebook

The book was found

Fiber Optic Measurement Techniques



Synopsis

Fiber Optic Measurement Techniques is an indispensable collection of key optical measurement techniques essential for developing and characterizing today's photonic devices and fiber optic systems. The book gives comprehensive and systematic descriptions of various fiber optic measurement methods with the emphasis on the understanding of optoelectronic signal processing methodologies, helping the reader to weigh up the pros and cons of each technique and establish their suitability for the task at hand. Carefully balancing descriptions of principle, operations and optoelectronic circuit implementation, this indispensable resource will enable the engineer to:

- Understand the implications of various measurement results and system performance qualifications
- Characterize modern optical systems and devices
- Select optical devices and subsystems in optical network design and implementation
- Design innovative instrumentations for fiber optic systems

This book brings together in one volume the fundamental principles with the latest techniques, making it a complete resource for the optical and communications engineer developing future optical devices and fiber optic systems. "Optical fiber communication systems and networks constitute the core of the telecom infrastructure of the information society worldwide. Accurate knowledge of the properties of the constituent components, and of the performance of the subsystems and systems must be obtained in order to ensure reliable transmission, distribution, and delivery of information. This book is an authoritative and comprehensive treatment of fiber-optic measurement techniques, including not only fundamental principles and methodologies but also various instrumentations and practical implementations. It is an excellent up-to-date resource and reference for the academic and industrial researcher as well as the field engineer in manufacturing and network operations."

Dr. Tingye Li, AT&T Labs (retired) Rongqing Hui received his PhD in Electrical Engineering from Politecnico di Torino, Italy in 1993. He is currently a tenured professor in the department of Electrical Engineering and Computer Science at the University of Kansas. He has published more than 90 refereed technical papers in the area of fiber-optic communications and holds 13 patents. Dr. Hui currently serves as an Associate Editor of IEEE Transactions on Communications. Maurice O'Sullivan has worked for Nortel for a score of years, at first in the optical cable business, developing factory-tailored metrology for optical fiber, but, in the main, in the optical transmission business developing, modeling and verifying physical layer designs & performance of Nortel's line and highest rate transmission product including OC-192, MOR, MOR+, LH1600G, eDCO and eDC40G. He holds a Ph.D. in physics (high resolution spectroscopy) from the University of Toronto, is a Nortel Fellow and has been granted more than 30 patents. The only book to combine explanations of the basic principles with latest techniques to enable the

engineer to develop photonic systems of the futureCareful and systematic presentation of measurement methods to help engineers to choose the most appropriate for their applicationThe latest methods covered, such as real-time optical monitoring and phase coded systems and subsystems, making this the most up-to-date guide to fiber optic measurement on the market

Book Information

File Size: 14588 KB

Print Length: 672 pages

Publisher: Academic Press; 1 edition (January 21, 2009)

Publication Date: January 21, 2009

Sold by:Ã Â Digital Services LLC

Language: English

ASIN: B003FK5Q0G

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #603,691 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #8

inÃ Â Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Electrical &

Electronics > Optics > Fiber Optics #30 inÃ Â Books > Engineering & Transportation >

Engineering > Electrical & Electronics > Fiber Optics #39 inÃ Â Kindle Store > Kindle eBooks >

Nonfiction > Science > Physics > Light

Customer Reviews

This book is an excellent reference in optical measurement.Actually there are not so many books combining theory and practical needs in the filed. The first one of such a book was Fiber Optic test and Measurement written by Dericksonbut updated.It is intended to be used by a practising engineer or scientist. Theoretical details are given only as much as necessary.

[Download to continue reading...](#)

High Fiber Recipes: 101 Quick and Easy High Fiber Recipes for Breakfast, Snacks, Side Dishes, Dinner and Dessert (high fiber cookbook, high fiber diet, high fiber recipes, high fiber cooking) Fiber Optic Measurement Techniques Fiber Optic Test and Measurement Resistant Starch: The Resistant Starch Bible: Resistant Starch - Gut Health, Fiber, Gut Balance (Gut Balance, Glycemic, Natural

Antibiotics, Dietary Fiber, SIBO, Soluble Fiber, Healthy Gut Book 1) Foods High in Fiber Cookbook:
List of High Fiber Foods for a Healthy Lifestyle - Recipes for High Fiber Foods FIBER OPTIC
NETWORKS - Outside Plant Construction & Project Management Techniques The Fiber-Optic
Gyroscope Fiber Optic Communications (5th Edition) Professional Fiber Optic Installation: The
Essentials For Success The FOA Reference Guide to Fiber Optic Network Design Fiber-Optic
Communication Systems (Wiley Series in Microwave and Optical Engineering) Fiber-Optic
Communications Technology Fiber Optic Installer's Field Manual, Second Edition The FOA
Reference Guide To Fiber Optic Testing The FOA Reference Guide to Fiber Optic Network Design:
Study Guide For FOA Certification Fiber Optic Reference Guide Fiber-Optic Communication
Systems Cabling Part 2: Fiber-Optic Cabling and Components, 5th Edition Fiber Optic
Communications: Fundamentals and Applications Cabling: The Complete Guide to Copper and
Fiber-Optic Networking

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)