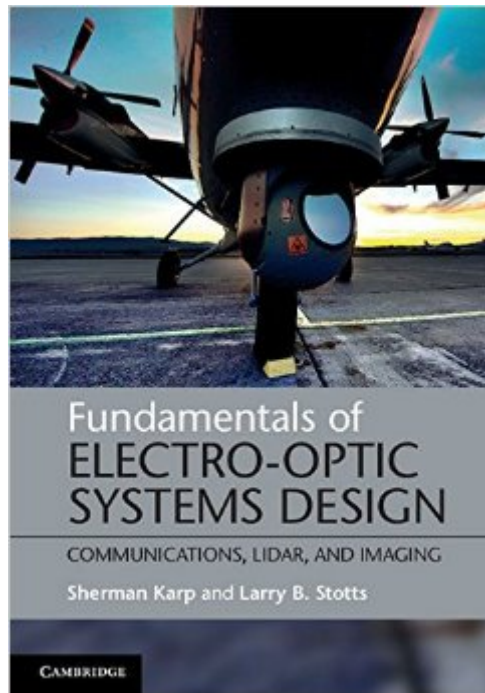


The book was found

Fundamentals Of Electro-Optic Systems Design: Communications, Lidar, And Imaging



Synopsis

Using fundamentals of communication theory, thermodynamics, information theory and propagation theory, this book explains the universal principles underlying a diverse range of electro-optical systems. From fiber optics and infra-red imaging to free space communications and laser remote sensing, the authors relate key concepts in science and device engineering to practical systems issues. A broad spectrum of coherent and incoherent imaging and communications systems is considered, accompanied by many real-world examples. The authors also present new insights into LIDAR and free space communications and imaging, providing practical guidance on identifying the fundamental limitations of transmission and imaging through deleterious channels. Accompanied by online examples of processed images and videos, this uniquely tailored guide to the fundamental principles underlying modern electro-optical systems is an essential reference for all practising engineers and academic researchers in optical engineering.

Book Information

Hardcover: 318 pages

Publisher: Cambridge University Press; 1 edition (February 25, 2013)

Language: English

ISBN-10: 0521515408

ISBN-13: 978-1107025196

ASIN: 1107021391

Product Dimensions: 6.8 x 0.8 x 9.7 inches

Shipping Weight: 1.7 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #853,379 in Books (See Top 100 in Books) #55 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Optoelectronics #106 in Books > Computers & Technology > Graphics & Design > Computer Modelling > Imaging Systems #168421 in Books > Textbooks

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

Fundamentals of Electro-Optic Systems Design: Communications, Lidar, and Imaging Photonics
Rules of Thumb: Optics, Electro-Optics, Fiber Optics, and Lasers (Optical and Electro-Optical Engineering Series)
Fiber Optic Communications (5th Edition)
Fiber-Optic Communications Technology
Making Spatial Decisions Using GIS and Lidar: A Workbook
Working with Lidar using ArcGIS Desktop
Building Electro-Optical Systems: Making It all Work
Principles of Dental Imaging

(PRINCIPLES OF DENTAL IMAGING (LANGLAND)) Fiber-Optic Communication Systems (Wiley Series in Microwave and Optical Engineering) Complete Guide to Fiber Optic Cable Systems Installation Data and Computer Communications (10th Edition) (William Stallings Books on Computer and Data Communications) Data and Computer Communications (William Stallings Books on Computer and Data Communications) Configuring Cisco Unified Communications Manager and Unity Connection: A Step-by-Step Guide (Networking Technology: IP Communications) Millimeter Wave Wireless Communications (Prentice Hall Communications Engineering and Emerging Technologies Series from Ted Rappaport) Satellite Communications Systems: Systems, Techniques and Technology Healing Severe Chemical and EMF Sensitivity: Our Breakthrough Cure for Multiple Chemical Sensitivities (MCS) and Electro-hypersensitivity (EHS) Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics and Lasers Electro-Motive E-Units and F-Units: The Illustrated History of North America's Favorite Locomotives Retro-Electro: Collecting Technology from Atari to Walkman Electro- Learning. Una nueva forma de aprendizaje de la electrónica. (Spanish Edition)

[Dmca](#)