

Third Edition

# Handbook of Fiber Optic Data Communication

A Practical Guide to Optical Networking

Casimer DeCusatis



# Handbook Of Fiber Optic Data Communication

**Silvio Abrate**

## **Handbook Of Fiber Optic Data Communication:**

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Casimer DeCusatis,2013-08-09 **Handbook of Fiber Optic Data Communication** Casimer DeCusatis,2011 The third edition of this Handbook provides a comprehensive easy to use guide to the field of optical fiber data communications Written by experts in the industry from major companies such as IBM Cisco and Nortel the Handbook is a key reference for optical fiber technology networking protocols applications manufacturing and future directions It includes chapters on all the major industry standards written by the same experts who developed them This edition contains new material on transceiver form factors QSFP SFP XFP X2 manufacturing standards including JEDEC and RoHS as well as the latest revisions to industry standards including 8G and 10G Fiber Channel FICON SONET GFP LCAS and 10 Gigabit Ethernet The book also contains new chapters on emerging technologies and leading edge applications such as silicon photonics nanophotonics parallel optical interconnects specialty fiber cable types and optical backplanes Features include New Case Studies on Voice Data Convergence Redesigning Mainframe I O National LambdaRail and optical peer to peer networks Includes an expanded listing of references on the World Wide Web plus hard to find references for international homologation and type approval requirements Quick reference tables of all the key optical network parameters and a glossary that defines hundreds of technical terms and acronyms An accompanying website provides an online portal to the data communications community containing podcasts on key topics links to related material from technical societies corporations and other professional organizations Written for engineers by engineers this Handbook will be an indispensable hands on reference for optical networks and equipment developers designers and installers as well as for students studying optical fiber communications wanting an understanding of and insight into professional practice New Case Studies on Voice Data Convergence Redesigning Mainframe I O National LambdaRail and optical peer to peer networks Includes an expanded listing of references on the World Wide Web plus hard to find references for international homologation and type approval requirements Quick reference tables of all the key optical network parameters and a glossary that defines hundreds of technical terms and acronyms An accompanying website provides an online portal to the data communications community containing podcasts on key topics links to rel **Handbook of Fiber Optic Data Communication**

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***[Handbook of Engineering Electromagnetics](#)*** Rajeev Bansal,2004-09-01 Engineers do not have the time to wade through rigorously theoretical books when trying to solve a problem Beginners lack the expertise required to understand highly specialized treatments of individual topics This is especially problematic for a field as broad as electromagnetics which propagates into many diverse engineering fields The time h    *[Handbook of Fiber Optic Data Communication](#)* Casimer DeCusatis,2013-08-09

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