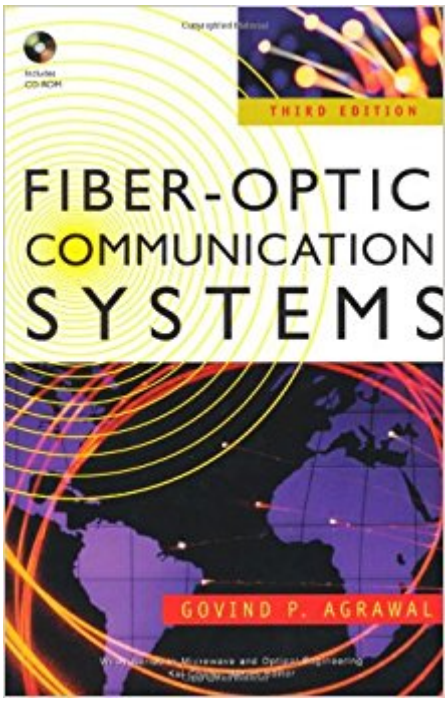
Fiber-Optic Communication Systems



Synopsis

The Institute of Optics, University of Rochester * ".readers searching for a wide ranging and up-date view of fibre optic communication systems would do well to purchase this book."-International Journal of Electrical Engineering Education (on the Second Edition) * This comprehensive, up-to-date account of fiber-optic communication focuses on the physics and technology behind fiber-optic communication systems while covering both the systems and components aspects * Provides extensive details on the WDM technology and system design issues that have developed since the last edition * An Instructor's Manual presenting detailed solutions to all the problems in the book is available from the Wiley editorial department.

Book Information

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Customer Reviews

"Comprehensive coverage of the fundamentals and applications...well organized content, adequate problems, and abundant reference for further study make this book a usable textbook...recommended..." (E-Streams, Vol. 6, No. 8) "...a comprehensive and up-to-date account of fiber-optic communication systems." (CIE News, December 2003)

Praise for the Second Edition "The book covers an extremely large range of topics and provides an excellent starting point . . . Readers searching for a wide-ranging and up-to-date view of fiber-optic communication systems would do well to purchase this book." -International Journal of Electrical

Engineering Education The latest edition of a proven bestseller offers comprehensive, up-to-date coverage of fiber-optic communication systems with an emphasis on physical understanding and engineering aspects. The author covers both the systems and components aspects of fiber-optic communication systems with a focus on the physics and technology behind them. The Third Edition has been updated to reflect the current state of the art of lightwave transmission systems, with particular emphasis on the rapid development of the WDM technology and system design issues pertaining to current topics of research. These include new data on lightwave systems design, optical amplification and dispersion-management techniques, multichannel lightwave systems, soliton communication systems, and coherent lightwave systems. Some of the material has been rearranged to facilitate the design of courses in optical communications. Students and researchers alike will benefit from extensive pedagogical aids including: * Extensive reference lists for each chapter * Survey of recent research material for each topic * Relevant end-of-chapter practice problems for teachers and students * Solutions Manual available to teachers on request * System design software on the enclosed CD-ROM Although intended primarily as a textbook for graduate students of fiber-optic communications, this book is also a valuable resource for undergraduate courses at the senior level and a valuable professional reference for researchers and engineers working in the fields of telecommunications and lightwave technology.

The best book I know of for understanding real optical communications. It’s perfect for that. We didn’t use this as a textbook in grad school, and I really wish we had. This is the book that contains the right material.

Very helpful books for anyone with fundamentals in EE but no fiber-optic group. So far I have read only three chapters. Each one starts from the basics and goes to sufficient depths that one can follow the current literature soon after. I would have given it a five-star. I reserve that once I read the entire book.

I used this book for a fiber optics course learning the material for the first time, and this book is horrible to work with. As many have said, this book is a REFERENCE to the fiber optic material. It should NEVER be used for learning the material for the first time.

New condition. Good price. Enjoying the book so far.

great book

Agrawal is very well regarded in the field and in general the book is solid. I am using this book for a graduate level Optical Networks class. The major issue is that there are a lot of errors in the book, especially in the problems.

nice book arrived on time. I thought it was a used book, but it turns out to be pretty new.

for myself, low price. I love this product. I have a home based bakery and I was missing a good bread product. I like the design and quality of it! great, and very happy. fast and in time..