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Used worldwide as a textbook in many universities, Fiber-Optic Communication Systems is intended primarily for graduate students of fiber-optic communications. It is also a valuable resource for undergraduate courses at the senior level, as well as an indispensable professional reference for engineers and technicians in the telecommunications industry and scientists working in the fields of fiber optics and optical communications.

Fiber-optic communication - Wikipedia

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Fiber Optic and Atmospheric Optical Communication | Wiley

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Fiber Optic Communication Systems, Fourth Edition. Govind P. Agrawal is a professor at the Institute of Optics at the University of Rochester and a Fellow of both the Optical Society of America and the Institute of Electrical and Electronics Engineering. He is also a Senior Scientist at the Laboratory for Laser Energetics.

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Fiber-optic communication systems have advanced dramatically over the last four decades, since the era of copper cables, resulting in low-cost and high-bandwidth transmission. Fiber optics is now the backbone of the internet and long-distance telecommunication.

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Fiber-Optic Communication Systems: Govind P. Agrawal ...

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Business at light speed. Fiber optics communication is a method of transmitting information from one place to another by sending light along an optical cable, and it has revolutionized the telecommunications industry and been a significant factor in the arrival of our digital age.

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GOVIND P. AGRAWAL is a professor at the Institute of Optics at the University of Rochester and a Fellow of both the Optical Society of America and the Institute of Electrical and Electronics Engineering. He is the author or coauthor of over 300 research papers, book chapters, and monographs.

Fiber-Optic Communication Systems (Wiley Series in ...

This introductory chapter presents the basic concepts and provides the background material for fiber optic communication systems. First, it gives a historical perspective on the development of optical communication systems. The chapter then covers concepts such as analog and digital signals, channel multiplexing, and modulation formats.

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