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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.

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Optical Fibers • Most suitable as communication channel because of dielectric waveguiding (acts like an optical wire). • Total internal reflection at the core-cladding interface confines light to fiber core. • Single-mode propagation for core size $< 10 \mu\text{m}$. What happens to optical signal?

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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 also a Senior Scientist at the Laboratory for Laser Energetics.

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The sixth edition of the Nonlinear Fiber Optics book (see the cover) was published in September 2019. More information is available at the publisher's website . Agrawal received EPS's Quantum Electronics Medal during the award ceremony held on June 25, 2019 at CLEO Europe Conference in Munich, Germany.

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Dr. Agrawal's research interests cover several areas of optics including nonlinear photonics, fiber optics, lasers, quantum optics, silicon photonics, and optical communications. He has authored eight books several of which are used worldwide for teaching and graduate education.

Govind P. Agrawal - University of Rochester

For gigabits and beyond gigabits transmission of data, the fiber optic communication is the ideal choice. This type of communication is used to transmit voice, video, telemetry and data over long distances and local area networks or computer networks. A fiber Optic Communication System uses light wave technology to transmit the data over a fiber by changing electronic signals into light.

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