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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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transmission systems because of their dielectric nature and
their large information carrying capacity. Network
architectures using multiple wavelength channels per optical
fiber are utilized in local, metropolitan, or wide area

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applications to connect thousands of users having a wide range of transmission capacities and speeds.

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FIBER-OPTIC COMMUNICATION SYSTEMS

[1] Instruments for distributed fiber optic measurement of temperature are now available with temperature resolution of 0.01 ° C and spatial resolution of 1 m with temporal

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