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Chapter 8 focuses on the use of wavelength- and time-division multiplexing techniques for optical networks. Code-division multiplexing is also a part of this chapter. The use of optical solitons for fiber-optic systems is discussed in Chapter 9. Coherent lightwave systems are now covered in the last chapter.

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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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Agrawal was elected as the fellow of Optical Society of America (OSA) in 1986. In 1996, he was elected as the fellow of IEEE for "contributions to the development and understanding of semiconductor lasers and fiber-optic communications systems." In 2000, he was awarded the Distinguished Alumni Award by his alma mater, the Indian Institute of ...

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The primary role of Fiber Optic Communication Systems book by Govind P. Agrawal is as a graduate level textbook in the field of optical communications. A set of problems is included at the end of each chapter to help both the teacher and the student. Parts of the Fiber Optic Communication Systems book can be used for several other courses.

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