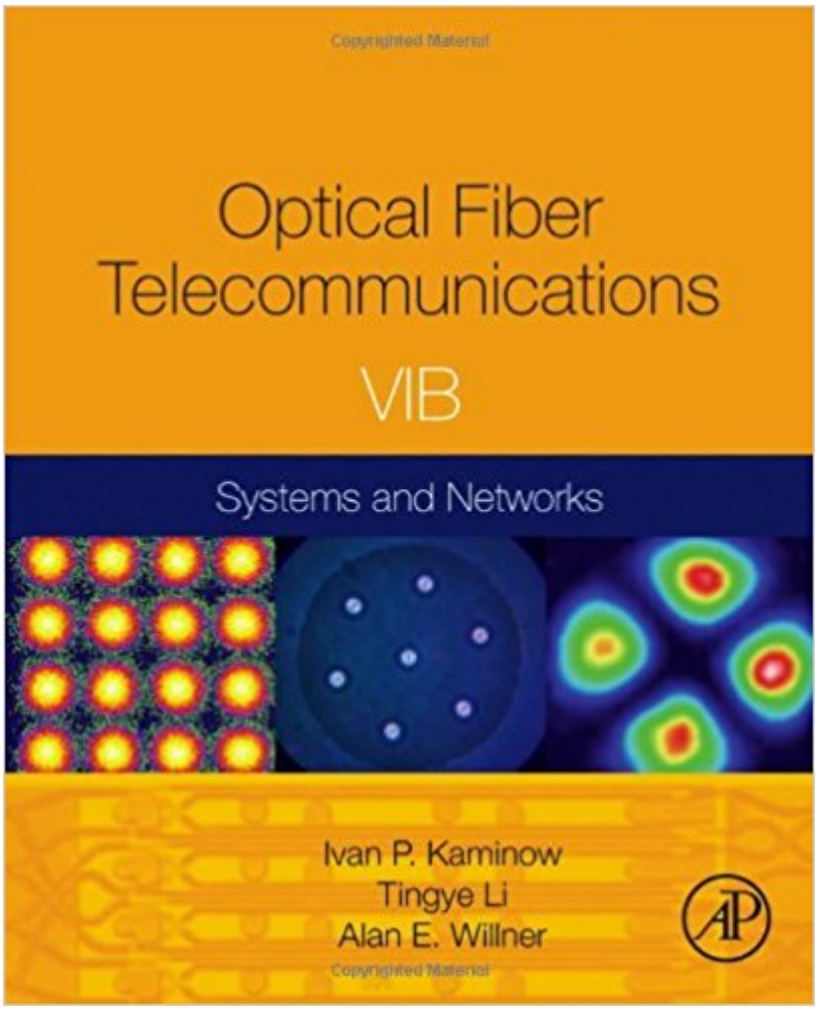
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Optical Fiber Telecommunications Volume VIB, Sixth Edition: Systems And Networks (Optics And Photonics)



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Synopsis

Optical Fiber Telecommunications VI (A&B) is the sixth in a series that has chronicled the progress in the R&D of lightwave communications since the early 1970s. Written by active authorities from academia and industry, this edition brings a fresh look to many essential topics, including devices, subsystems, systems and networks. A central theme is the enabling of high-bandwidth communications in a cost-effective manner for the development of customer applications. These volumes are an ideal reference for R&D engineers and managers, optical systems implementers, university researchers and students, network operators, and investors. Volume A is devoted to components and subsystems, including photonic integrated circuits, multicore and few-mode fibers, photonic crystals, silicon photonics, signal processing, and optical interconnections. Volume B is devoted to systems and networks, including advanced modulation formats, coherent detection, Tb/s channels, space-division multiplexing, reconfigurable networks, broadband access, undersea cable, satellite communications, and microwave photonics.

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"It consists of two impressive volumesÃ¢â ¬Â| It covers quite a few advances and novelties in the field, such as streaming, routing, and switching in optical networks; higher-order modulation; and space division multiplexingÃ¢â ¬Â|It requires a reasonably knowledgeable readerÃ¢â ¬Â|searching for a particular topic of interest to study in more detail." --Computing Reviews, May 20, 2014 "Optical fiber communications researchers and engineers, most at corporations but some in academic and public laboratories, update the compendium of current knowledge from the 2008 fifth edition. This second of two volumes concentrates on systems and networks." --ReferenceÃ Â and Research Book News, October 2013 "For more than three decades, the OFT series has served asÃ Â theÃ Â comprehensive primary resource covering progress in the science and technology of optical fiber telecoms. It has been essential for the bookshelves of researchers and engineers active in the field.Ã Â OFT VI provides updates on considerable progress in established disciplines, as well as introductions to important new topics. [OFT VI] Ã¢â ¬Â| generates a value that is even higher than that of the sum of its chapters." --Herwig Kogelnik, Vice President Adjunct, Bell Labs, Alcatel-Lucent "Optical fiber telecommunications is the Internet’s "silver bullet". Without [its] innovations, we would not be enjoying today’s abundance of bandwidth and the Internet’s many unforeseen applications. [This fieldÃ¢â ¬â„¢s] amazing pace of innovation has been long sustained due partially to this historic book series now extended by OFT VIÃ¢â ¬Â| Ã Â This series has long served to help organize, communicate, and set the agenda for innovations, thereby accelerating

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