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Towards an Optical Internet

By Admela Jukan

Hardback. Book Condition: New. Not Signed; In these exciting times of quotidianly progressing developments in communication techniques, where more than ever in the history of a technological progress, society's reliance on communication networks for medicine, education, data transfer, commerce, and many other endeavours dominates the human's everyday life, the optical networks are certainly one of the most promising and challenging networking options. Since their commercial arrival in the nineties, they have fundamentally changed the way of dealing with traffic engineering by removing bandwidth bottlenecks and eliminating delays. Today, after the revolutionary bandwidth expansion, the networking functionality migrates more and more to the optical layer, and the need to establish fast wavelength circuits and capacity-on-demand for the higher-layer networks, in particular data networks based on Internet Protocol (IP), has become one of the central networking issues for the new century. The unifying trends toward configurable all-optical network infrastructure open up a wide range of new network engineering and design choices dealing with networks' interoperability and common platforms for control and management. The Fifth Working Conference on Optical Network Design and Modelling, held in the Austrian capital Vienna, February 5-7, 2001, aims at presenting the most recent progress in optical communication techniques,...



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