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Autore	Yoshimura Tetsuzo
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Sommario/riassunto	This book proposes and reviews comprehensive strategies based on optical electronics for constructing optoelectronic systems with minimized optics excess. It describes the core technologies such as self-organized optical waveguides based on self-organized lightwave network (SOLNET), three-dimensional optical circuits, material-saving heterogeneous thin-film device integration process (PL-Pack with SORT), and high-speed/small-size light modulators and optical switches. The book also presents applications of optical electronics, including integrated optical interconnects within computers and

massive optical switching systems utilizing three-dimensional self-organized optical circuits, solar energy conversion systems, and bio/medical photonics such as cancer therapy.