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Springer Handbook of Optical Networks

"This handbook is the most authoritative compendium of optical networking fundamentals, and provides both beginner and seasoned practitioners an instant guide to the latest technologies and best practices across applications ranging from core and access networks to datacenter and high performance computing networks." – *Vijay Vusirikala - Head of Network Architecture and Optical Engineering, Google, USA*

- o **Offers a definitive reference for practitioners, researchers, and students in optical networks**
- o **Represents a collective effort of over 100 top-level scientists from around the world**
- o **Comprehensively treats the ever-growing field that represents the backbone of the internet**

This handbook is an authoritative, comprehensive reference on optical networks, written for practitioners, researchers, and students around the world. This book provides a definitive single point of reference for all those interested to find out information about the basic technologies and approaches that are used to design and deploy optical communication networks across a vast variety of different application fields spanning from datacenters to backbone and access networks.

The book is divided into four parts, each edited by top experts in the field. The parts include: Optical Subsystems for Transmission and Switching; Core Networks; Datacenter and Super-computer Networking; Optical Access and Wireless Networks. The contributors are leading authorities in the fields of engineering and represent academia, industry, and international government and regulatory agencies.

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Springer Handbook of Optical Networks

"This handbook will be an extremely valuable addition to any serious professional or student in the field of optical networks. The handbook is edited and authored by prominent leading experts in the field, and it insightfully covers the wide gamut of important multidisciplinary topics." – *Alan Willner, University of Southern California, USA; past President of the IEEE Photonics Society and of the Optical Society of America (OSA)*

"This will be the authority in handbooks of modern optical communication and networking, offering the fundamental knowledge to bridge a gap between physical and cyber layers." – *Shu Namiki – Research Director, National Institute of Advanced Industrial Science and Technology (AIST), Japan*

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