

Cambridge Illustrated Handbook of Optoelectronics and Photonics

By Safa Kasap, Harry Ruda, Yann Boucher

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Review
"This book takes a unique, encyclopedic approach to optoelectronics and photonics. It covers the most important terms in the subject areas in alphabetical order, ranging from fundamental concepts to cutting-edge applications. The text includes more than 600 self-explanatory illustrations that enable readers to quickly grasp key concepts. Mathematical equations are used only when absolutely necessary, and lengthy derivations are avoided. Knowledge of standard university-level mathematics is sufficient for understanding the contents. The handbook is intended for a broad audience, from undergraduate and graduate students to scientists and engineers in academia and industry."
Darko Vasiljevic, University of Belgrade, Serbia for Optics & Photonics News

About the Author
Safa Kasap is a Professor and Canada Research Chair in the Department of Electrical and Computer Engineering at the University of Saskatchewan, Canada, and has been making distinct and outstanding research contributions to electronic and photonic materials and devices, and their applications in optical communications and x-ray imaging, for over twenty years. Harry Ruda is Director of the Centre for Advanced Nanotechnology, and Chair Professor in Nanotechnology at the University of Toronto, Canada. His research interests focus on the fabrication and modeling of quantum functional nanostructures with applications in the fields of nanoelectronics and nanophotonics. Yann Boucher is a Researcher at the Laboratoire RESO, ENIB (Brest National Engineering School), France. He has developed original tools for modeling optoelectronic devices, such as Extended Transfer Matrix Formalism including sources, or so-called Couplonics, a method based on exact coupled-wave equations for investigating periodic structures.

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