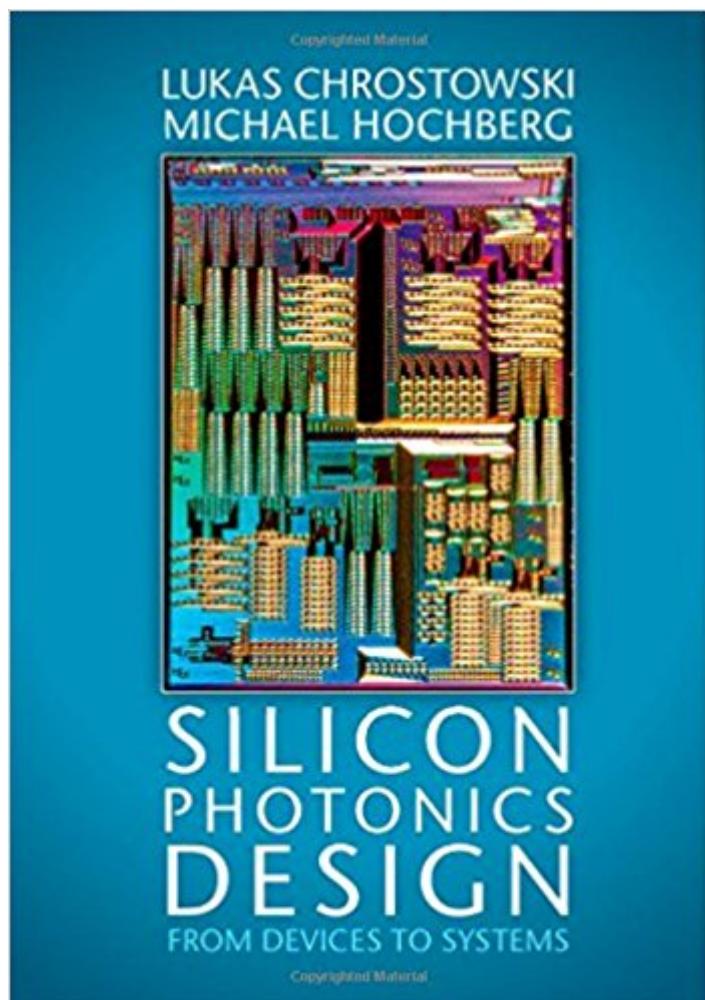


The book was found

# Silicon Photonics Design: From Devices To Systems



## Synopsis

From design and simulation through to testing and fabrication, this hands-on introduction to silicon photonics engineering equips students with everything they need to begin creating foundry-ready designs. In-depth discussion of real-world issues and fabrication challenges ensures that students are fully equipped for careers in industry. Step-by-step tutorials, straightforward examples, and illustrative source code fragments guide students through every aspect of the design process, providing a practical framework for developing and refining key skills. Offering industry-ready expertise, the text supports existing PDKs for CMOS UV-lithography foundry services (OpSIS, ePIXfab, imec, LETI, IME and CMC) and the development of new kits for proprietary processes and clean-room based research. Accompanied by additional online resources to support students, this is the perfect learning package for senior undergraduate and graduate students studying silicon photonics design, and academic and industrial researchers involved in the development and manufacture of new silicon photonics systems.

## Book Information

Hardcover: 437 pages

Publisher: Cambridge University Press; 1 edition (May 7, 2015)

Language: English

ISBN-10: 1107085454

ISBN-13: 978-1107085459

Product Dimensions: 6.8 x 0.9 x 9.7 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ See all reviewsÂ (1 customer review)

Best Sellers Rank: #709,824 in Books (See Top 100 in Books) #41 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Optoelectronics #78 inÂ Books > Science & Math > Physics > Light #138678 inÂ Books > Textbooks

## Customer Reviews

Great book for photonic design!

[Download to continue reading...](#)

Silicon Photonics Design: From Devices to Systems  
Microwave Photonics: Devices and Applications  
Embedded DSP Processor Design, : Application Specific Instruction Set Processors (Systems on Silicon)  
VLSI Test Principles and Architectures: Design for Testability (The Morgan

Kaufmann Series in Systems on Silicon) Design of 3D Integrated Circuits and Systems (Devices, Circuits, and Systems) Optical Fiber Telecommunications Volume VI B, Sixth Edition: Systems and Networks (Optics and Photonics) The Student's Guide to VHDL, Second Edition (Systems on Silicon) US Army Technical Manual, ARMY DATA SHEETS FOR CARTRIDGES, CARTRIDGE ACTUATED DEVICES AND PROPELLANT ACTUATED DEVICES, FSC 1377, TM 43-0001-39, 1991 Advanced Mos Devices (Modular Series on Solid State Devices, Vol 7) ISO 14971:2007, Medical devices - Application of risk management to medical devices Digital VLSI Design with Verilog: A Textbook from Silicon Valley Polytechnic Institute Digital VLSI Design with Verilog: A Textbook from Silicon Valley Technical Institute Design of Devices and Systems, Third Edition, Photonics: Optical Electronics in Modern Communications (The Oxford Series in Electrical and Computer Engineering) Optoelectronics & Photonics: Principles & Practices (2nd Edition) Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics and Lasers Applications of Nonlinear Fiber Optics, Second Edition (Optics and Photonics Series) Optical Fiber Telecommunications Volume VIA, Sixth Edition: Components and Subsystems (Optics and Photonics) Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics, and Lasers (Optical and Electro-Optical Engineering Series) Fundamentals of Microwave Photonics (Wiley Series in Microwave and Optical Engineering)

[Dmca](#)