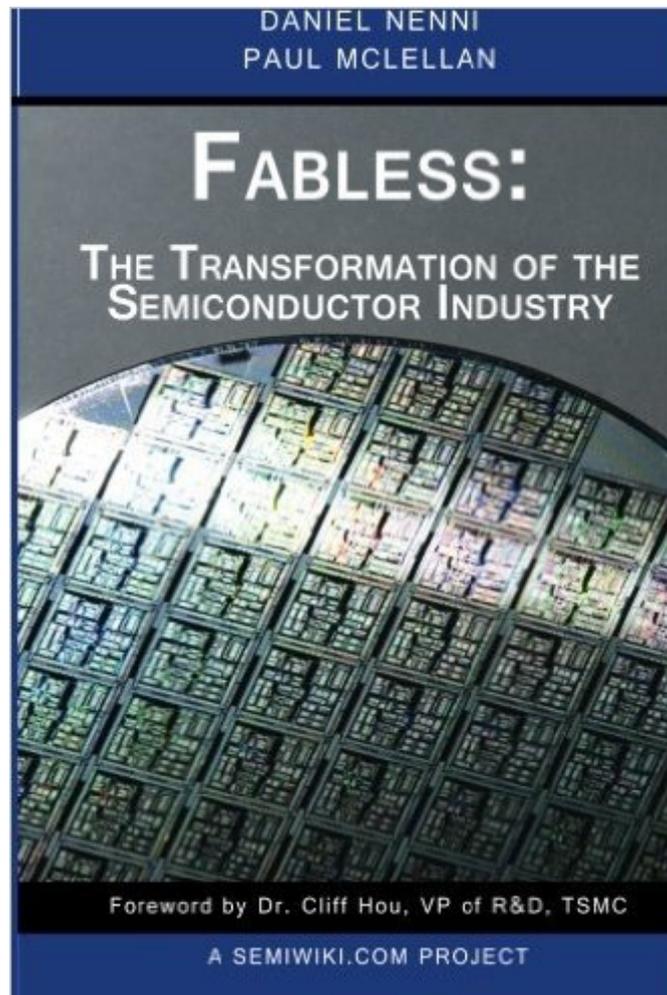


The book was found

Fables: The Transformation Of The Semiconductor Industry



Synopsis

The purpose of this book is to illustrate the magnificence of the fabless semiconductor ecosystem, and to give credit where credit is due. We trace the history of the semiconductor industry from both a technical and business perspective. We argue that the development of the fabless business model was a key enabler of the growth in semiconductors since the mid-1980s. Because business models, as much as the technology, are what keep us thrilled with new gadgets year after year, we focus on the evolution of the electronics business. We also invited key players in the industry to contribute chapters. These "In Their Own Words" chapters allow the heavyweights of the industry to tell their corporate history for themselves, focusing on the industry developments (both in technology and business models) that made them successful, and how they in turn drive the further evolution of the semiconductor industry.

Book Information

Paperback: 220 pages

Publisher: CreateSpace Independent Publishing Platform (April 1, 2014)

Language: English

ISBN-10: 1497525047

ISBN-13: 978-1497525047

Product Dimensions: 6 x 0.5 x 9 inches

Shipping Weight: 13.9 ounces (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars See all reviews (12 customer reviews)

Best Sellers Rank: #522,230 in Books (See Top 100 in Books) #84 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Semiconductors #101713 in Books > Textbooks

Customer Reviews

I started using internal EDA tools at Intel beginning in 1978 and have worked in the commercial EDA industry since 1986, so it was a delight to read a chapter about EDA in Nenni and McLellan's newest book: *Fabless - The Transformation of the Semiconductor Industry*. Starting in the 1970's the authors talk about EDA, Phase One and how painfully manual the whole process of designing an Integrated Circuit was. I'll never forget working at Intel at the time and performing manual Design Rule Checks (DRC) on an IC layout, when I stopped to ask my manager, "Hey, what about using a software program to automate this tedious task?" His hasty response was, "No way, we hire you new college graduates to do this grunt work, so get back to work and stop asking questions." All of the

pioneering EDA companies are included in this chapter, and it reminds me of the EDA wiki page that we created to list every single EDA merger and acquisition, except in the book we have the behind-the-scenes story of the rise and fall of each EDA company and some of the luminaries that founded the companies. By the 1980's we reached EDA, Phase Two and the growth of commercial EDA companies took off like a rocket. I even bought the book Introduction to VLSI Systems from Mead and Conway, introducing the concept of lambda-based design, a technique used at my first EDA company - Silicon Compiler Systems. ASIC companies started up and you could design with Gate Arrays, Standard Cell or Full Custom. It was the heady days of the DMV - Daisy, Mentor, Valid. EDA, Phase Three describes the history of Customer Owned Tooling (COT) and how Cadence got its start. Even the biggest lawsuit of all EDA history is covered by recounting the illegal activity of Avant!

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

Fables: The Transformation of the Semiconductor Industry
Regulating for Competition: Government, Law, and the Pharmaceutical Industry in the United Kingdom and France (Government-Industry Relations)
Literary Market Place 2015: The Directory of the American Book Publishing Industry with Industry Indexes (Literary Market Place (Lmp))
The Social Transformation of American Medicine: The rise of a sovereign profession and the making of a vast industry
Fault-Tolerance and Reliability Techniques for High-Density Random-Access Memories (Prentice Hall Modern Semiconductor Design Series)
Understanding Semiconductor Devices (The Oxford Series in Electrical and Computer Engineering)
Microchip Fabrication, Sixth Edition: A Practical Guide to Semiconductor Processing
The Physics of Solar Cells (Properties of Semiconductor Materials)
Semiconductor Devices: Physics And Technology, 2Nd Ed
Power Integrity for I/O Interfaces: With Signal Integrity/ Power Integrity Co-Design (Prentice Hall Modern Semiconductor Design)
Introductory Semiconductor Device Physics
Semiconductor Physics And Devices: Basic Principles
Semiconductor Spintronics (De Gruyter Textbook)
Semiconductor Quantum Optics
Semiconductor Fundamentals Volume Modular (Modular series on solid state devices)
Fundamentals of Semiconductor Devices
Semiconductor Transport
Semiconductor Optoelectronic Devices (2nd Edition)
Semiconductor Material and Device Characterization
Introduction to Semiconductor Physics Volume 1

[Dmca](#)