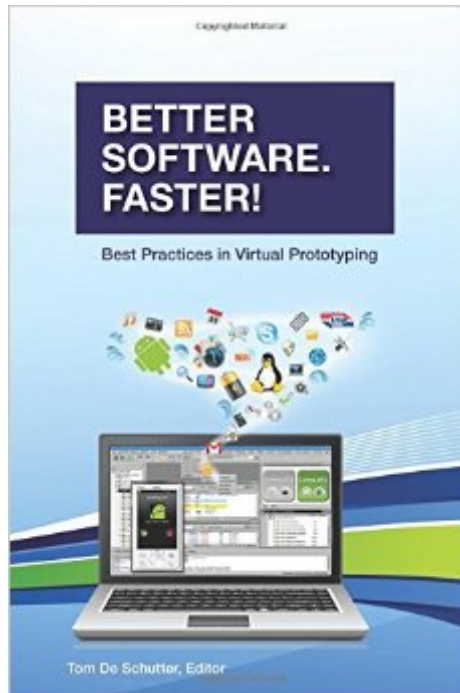The book was found

Better Software. Faster!: Best Practices In Virtual Prototyping

Synopsis

The recent rise of "smart" products has been made possible through tight co-design of hardware and software. The growing amount of software and hence processors in applications all around us allows for increased flexibility in the application functionality through its life cycle. Not so long ago a device felt outdated after you owned it for a couple of months. Today, a continuous stream of new software applications and updates make products feel truly "smart". The result is an almost magical user experience where the same product can do more today than it could do yesterday. In this book we dive deep into a key methodology to enable concurrent hardware/software development by decoupling the dependency of the software development from hardware availability: virtual prototyping. The ability to start software development much earlier in the design cycle drives a true "shift-left" of the entire product development schedule and results in better products that are available earlier in the market. Throughout the book, case studies illustrate how virtual prototypes are being deployed by major companies around the world. If you are interested in a quick feel for what virtual prototyping has to offer for practical deployment, we recommend picking a few case studies to read, before diving into the details of the methodology. Of course, this book can only offer a small snapshot of virtual prototype use cases for faster software development. However, as most software bring-up, debug and test principles are similar across markets and applications, it is not hard to realize why virtual prototypes are being leveraged whenever software is an intrinsic part of the product functionality, after reading this book. Endorsements "Due to the growing size and complexity of software, electronics companies are looking to virtual prototyping solutions to help with the challenge of escalating costs and timelines for embedded software development. This book provides a comprehensive overview of the benefits of and best practices to leverage virtual prototypes and stay competitive in an increasingly software-driven market." Chris Rommel VDC Research "Virtual prototypes make early software development, test and debugging a reality. If you are looking to learn about virtual prototypes and their plug-and-play capabilities with embedded debuggers like our TRACE32 software debugging tools, I recommend you to read this book. â œBetter Software. Faster!â • nicely merges a practical overview of the benefits of virtual prototypes with best practice case studies from real users."

Book Information

Paperback: 198 pages
Publisher: Synopsys Press (March 20, 2014)
Language: English

ISBN-10: 1617300136

ISBN-13: 978-1617300134

Product Dimensions: 6.1 x 0.4 x 9.2 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 3.0 out of 5 stars See all reviews (1 customer review)

Best Sellers Rank: #4,122,857 in Books (See Top 100 in Books)   #96 in Books > Engineering & Transportation > Engineering > Reference > Research   #836 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Semiconductors   #9455 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Software Development

Customer Reviews

Technically useful and informative.A difficult read. Often plodding.Could benefit from a rewrite.

Better Software. Faster!: Best Practices in Virtual Prototyping Virtual Assistant: 101- How to Effectively Outsource Tasks to Virtual Assistants to Maximize your Productivity (Outsourcing, Virtual Assistant) Virtual Freedom: How to Work with Virtual Staff to Buy More Time, Become More Productive, and Build Your Dream Business Virtual Assistant Assistant: The Ultimate Guide to Finding, Hiring, and Working with Virtual Assistants: Expanded and Updated for 2016 Take a Leap of Faith And Start a Virtual Assistant Business: Your Guide to Establishing a Successful Business As a Virtual Assistant Getting Started with littleBits: Prototyping and Inventing with Modular Electronics Even Faster Web Sites: Performance Best Practices for Web Developers Eat Better, Live Better, Feel Better: Alkalize Your Life...One Delicious Recipe at a Time Anatomy of Drumming: Move Better, Feel Better, Play Better Software Engineering Classics: Software Project Survival Guide/ Debugging the Development Process/ Dynamics of Software Development (Programming/General) Surreptitious Software: Obfuscation, Watermarking, and Tamperproofing for Software Protection: Obfuscation, Watermarking, and Tamperproofing for Software Protection The Journal of Best Practices: A Memoir of Marriage, Asperger Syndrome, and One Man's Quest to Be a Better Husband Software Requirements (3rd Edition) (Developer Best Practices) Software Project Survival Guide (Developer Best Practices) Code: The Hidden Language of Computer Hardware and Software (Developer Best Practices) 3 Day Green Smoothie Detox: The Faster, Better, Stronger Weight Loss Plan The South Beach Diet Supercharged: Faster Weight Loss and Better Health for Life Smarter Faster Better: The Secrets of Being Productive in Life and Business "Faster, Better,

Cheaper" in the History of Manufacturing: From the Stone Age to Lean Manufacturing and Beyond Exponential Organizations: Why new organizations are ten times better, faster, and cheaper than yours (and what to do about it)