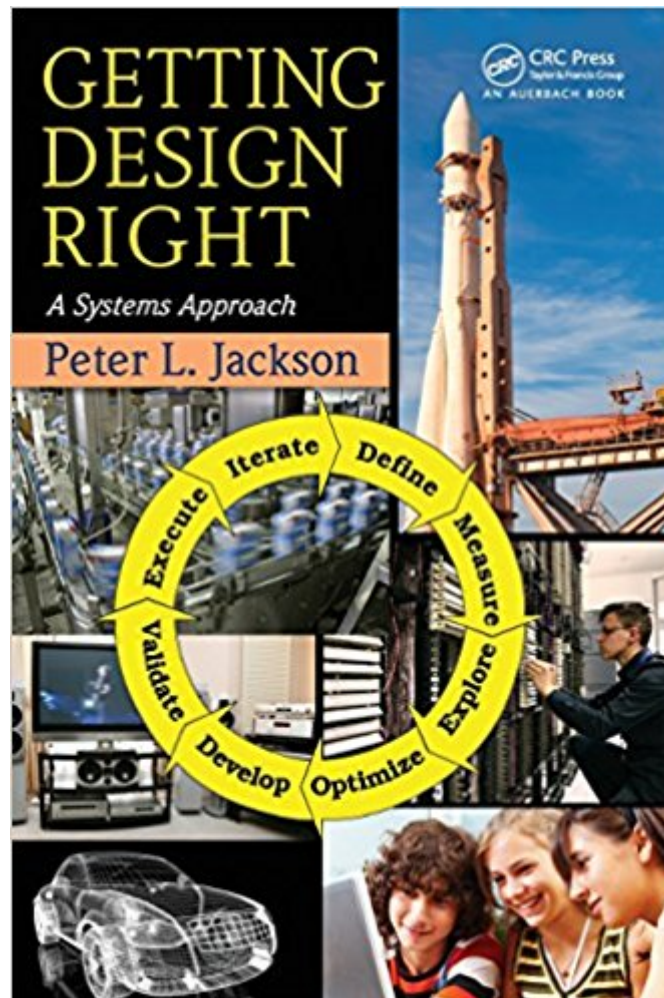




Ebook Directory
the best source of ebook

The book was found

Getting Design Right: A Systems Approach



Synopsis

Filling a new need in engineering education, *Getting Design Right: A Systems Approach* integrates aspects from both design and systems engineering to provide a solid understanding of the fundamental principles and best practices in these areas. Through examples, it encourages students to create an initial product design and project plan. Classroom-tested and industry-reviewed, the text focuses on the steps of a basic design cycle. It first defines the problem, establishes technical requirements, and identifies the customer value proposition. The text then explores the design space, optimizes design choices, and develops the architecture, including behavior, control, and structure. After validating the design, the author presents an accessible treatment of resource-constrained scheduling as a computer puzzle. The final chapter covers the level-by-level decomposition of systems. In addition, the appendices offer useful design challenges for a bathroom-cleaning robot, a home health-care monitoring system, a night-vision system for automobiles, and an Internet-based meal delivery system. Using a design approach based on simple text-based tools and spreadsheet software, this book presents a formal process for discovering requirements and tackling design problems. It will help mature audiences in professional settings as well as students with limited design and project experience.

Book Information

Hardcover: 392 pages

Publisher: CRC Press; 1 edition (September 22, 2009)

Language: English

ISBN-10: 1439811156

ISBN-13: 978-1439811153

Product Dimensions: 7 x 0.9 x 10 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars Â Â See all reviews Â (1 customer review)

Best Sellers Rank: #1,805,253 in Books (See Top 100 in Books) #208 in Â Books > Engineering & Transportation > Engineering > Design #383 in Â Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Industrial Design > Products #1019 in Â Books > Textbooks > Engineering > Industrial Engineering

Customer Reviews

Excellent book - The methodology really insures a successful project!

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

Getting Design Right: A Systems Approach Legal Writing: Getting It Right and Getting It Written, 5th Edition (American Casebook) Med School Rx: Getting In, Getting Through, and Getting On with Doctoring Sprinklers & Drip Systems: The Right System for Your Yard, Step-by-step Sprinkler Installation, Building Effective Drip Systems Feng Shui: Wellness and Peace- Interior Design, Home Decorating and Home Design (peace, home design, feng shui, home, design, home decor, prosperity) 200 Items To Sell On eBay Right Now Box Set (6 in 1): Learn Over 200 Items To Sell On eBay Right Now For Huge Profits (eBay Mastery, How To Sell On eBay, eBay Secrets Revealed) Eat Right for Your Type Live Right for Your Type (4 blood types, 4 diets 4 blood types, 4 programs) Cook Right 4 Your Type: The Practical Kitchen Companion to Eat Right 4 Your Type Hegel: Lectures on Natural Right and Political Science: The First Philosophy of Right Apply Right: How to apply for Social Security disability online the right way the first time! Fiske Guide to Getting Into the Right College African American Student's College Guide: Your One-Stop Resource for Choosing the Right College, Getting in, and Paying the Bill (Black Excel) Getting Love Right: Learning the Choices of Healthy Intimacy (Fireside Parkside Books) Getting Started Making Metal Jewelry (Getting Started series) Getting to Know ArcGIS Desktop: Basics of ArcView, ArcEditor, and ArcInfo (Getting to Know (ESRI Press)) Getting Started with Geese (Getting Started with... Book 4) Summary - Getting Things Done: David Allen's Book-- A Full Summary!(Version 2015) -- The Art of Stress Free Productivity! (Getting Things Done: A Full ... Book, Planner, Paperback, Audio, Summary) Medical Terminology Systems A Body Systems Approach Design Research in Information Systems: Theory and Practice: 22 (Integrated Series in Information Systems) Boat Mechanical Systems Handbook: How to Design, Install, and Recognize Proper Systems in Boats

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)