

The book was found

Cognitive Systems Engineering



Synopsis

The first comprehensive guide to designing highly usable, fully integrated computer-based information systems. Traditional human-computer interaction (HCI) and system design models have proven too narrow to adequately assess user needs and to design usable and efficient computer-based information support systems. Taking modeling concepts from engineering, psychology, cognitive science, information science, and computer science, cognitive systems engineering (CSE) provides a much broader, more dynamic framework. This book is the first comprehensive guide to the emerging new field of cognitive systems engineering. Throughout, the emphasis is on powerful analytical techniques that enhance the systems designer's ability to see the "big picture," and to design for all crucial aspects of human-work interaction. Applicable to highly structured technical systems such as process plants, as well as less structured user-driven systems like libraries, these analytical techniques form the basis for the design and design evaluation guidelines that make up the bulk of this book. The authors also provide a chapter-length case history in which they chronicle the success of their approach when applied to a full-scale software design project.

Book Information

Hardcover: 396 pages

Publisher: Wiley-Interscience; 1 edition (August 16, 1994)

Language: English

ISBN-10: 0471011983

ISBN-13: 978-0471011989

Product Dimensions: 6.3 x 0.9 x 9.5 inches

Shipping Weight: 1.7 pounds (View shipping rates and policies)

Average Customer Review: 3.0 out of 5 stars [See all reviews](#) (2 customer reviews)

Best Sellers Rank: #1,614,901 in Books (See Top 100 in Books) #123 in [Books > Computers & Technology > Computer Science > AI & Machine Learning > Expert Systems](#) #165 in [Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Ergonomics](#) #2046 in [Books > Business & Money > Management & Leadership > Information Management](#)

Customer Reviews

Written by 3 leading experts from Denmark's Riso National Laboratory, this book contains a deep and wide-ranging discussion of human-computer-interaction, especially with regard to the design of

information systems. Included are chapters on work domain/task situation/ user profile combinations, methodologies, ecological information systems, activity analysis, and field studies in libraries

You need to read some other books first if you want to get much out of this book.

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

Cognitive Systems Engineering
Lean for Systems Engineering with Lean Enablers for Systems Engineering
Energy Audit of Building Systems: An Engineering Approach, Second Edition (Mechanical and Aerospace Engineering Series)
Medical Device Technologies: A Systems Based Overview Using Engineering Standards (Academic Press Series in Biomedical Engineering)
Biomimetic Neural Learning for Intelligent Robots: Intelligent Systems, Cognitive Robotics, and Neuroscience (Lecture Notes in Computer Science)
SmartKom: Foundations of Multimodal Dialogue Systems (Cognitive Technologies)
Engineering Fundamentals: An Introduction to Engineering
Civil Engineering and the Science of Structures (Engineering in Action)
Building the Golden Gate Bridge: An Interactive Engineering Adventure (You Choose: Engineering Marvels)
Building the Empire State Building: An Interactive Engineering Adventure (You Choose: Engineering Marvels)
Engineering in Our Everyday Lives (Engineering Close-Up)
Genetic Algorithms and Engineering Design (Engineering Design and Automation)
A PROLOG Database System (Electronic & Electrical Engineering Research Studies. Computer Engineering Series ; 3)
Non-Functional Requirements in Software Engineering (International Series in Software Engineering)
Re-Engineering the Manufacturing System: Applying The Theory of Constraints (Manufacturing Engineering and Materials Processing Series, Vol. 47)
Practice Problems for the Civil Engineering PE Exam: A Companion to the Civil Engineering Reference Manual, 15th Ed
Orbital Mechanics for Engineering Students, Third Edition (Aerospace Engineering)
Aircraft Engineering Principles, 2nd ed (Taylor & Francis Aerospace and Aviation Engineering)
Biomedical Engineering for Global Health (Cambridge Texts in Biomedical Engineering)
Introduction to Chemical Engineering Thermodynamics (The Mcgraw-Hill Chemical Engineering Series)

[Dmca](#)