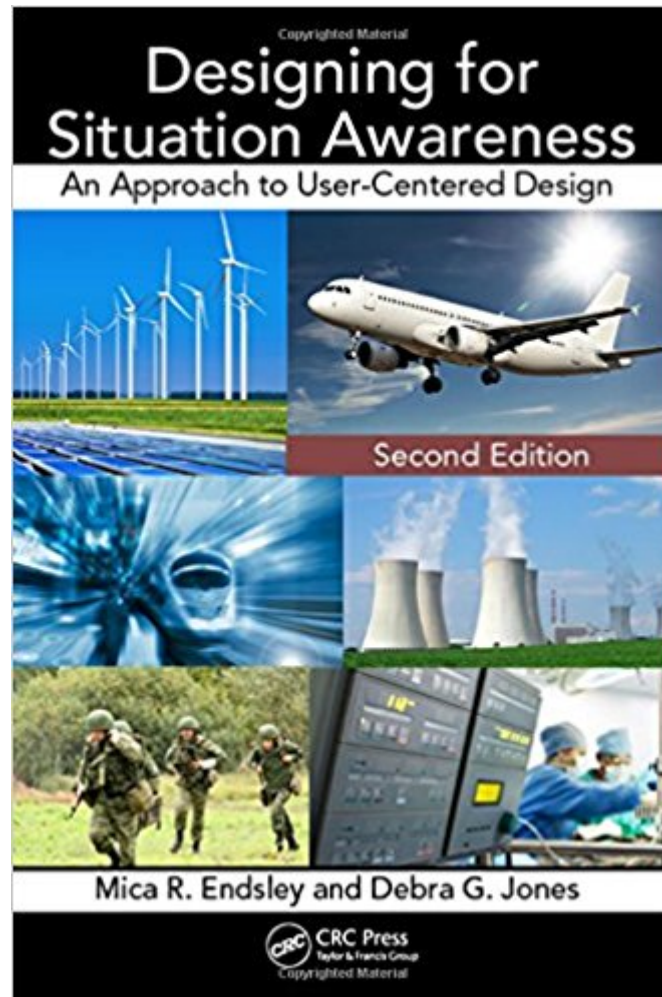


The book was found

Designing For Situation Awareness: An Approach To User-Centered Design, Second Edition



Synopsis

The barrage of data overload is threatening the ability of people to effectively operate in a wide range of systems including aircraft cockpits and ground control stations, military command and control centers, intelligence operations, emergency management, medical systems, air traffic control centers, automobiles, financial and business management systems, space exploration, and power and process control rooms. All of these systems need user interfaces that allow people to effectively manage the information available to gain a high level of understanding of what is currently happening and projections on what will happen next. They need systems designed to support situation awareness. Addressing the information gap between the plethora of disorganized, low-level data and what decision makers really need to know, *Designing for Situation Awareness: An Approach to User-Centered Design, Second Edition* provides a successful, systematic methodology and 50 design principles for engineers and designers seeking to improve the situation awareness of their systems' users based on leading research on a wide range of relevant issues. See what's new in the Second Edition: Significantly expanded and updated examples throughout to a wider range of domains New Chapters: Situation Awareness Oriented Training and Supporting SA in Unmanned and Remotely Operated Vehicles Updated research findings and expanded discussion of the SA design principles and guidelines to cover new areas of development Mica R. Endsley is a pioneer and world leader in the study and application of situation awareness in advanced systems. Debra G. Jones work is focused on designing large-scale and complex systems to support situation awareness and dynamic decision making. Completely revised and updated, liberally illustrated with actual design examples, this second edition demonstrates how people acquire and interpret information and examines the factors that undermine this process. Endsley and Jones distill their expertise and translate current research into usable, applicable methods and guidelines.

Book Information

Paperback: 396 pages

Publisher: CRC Press; 2 edition (December 19, 2011)

Language: English

ISBN-10: 1420063553

ISBN-13: 978-1420063554

Product Dimensions: 6 x 0.7 x 9.1 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 starsÂ Â See all reviewsÂ (5 customer reviews)

Best Sellers Rank: #599,533 in Books (See Top 100 in Books) #62 inÂ Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Ergonomics #218 inÂ Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Health & Safety #1783 inÂ Books > Textbooks > Business & Finance > Management

Customer Reviews

You have the most flexibility in producing a product during the design phase. Yet, the human factors (to include situational awareness) testing is often done far down stream in production, long after many of the factors have been looked down. If you don't get anything else out of the book, that is one good lesson. That said, Professor Endsley gives the reader 50 design principles to juggle that might help on a particular product. Honestly, I study this area and apply it for a living, and I was experiencing information overload! The information presented is well researched, and the provenience is clear, but if Professor Endsley could have come up with a simplified general framework then the book would have gone to five stars. In service, Rich

This book offered a well thought out approach to designing HMI screens for process control. I'm looking forward to applying the concepts of this book. My only complaint: the kindle version is not that great.

This book is a great book for researches in the Situation Awareness area. I love the teaching approach the authors took in presenting the information.

This is a good reference book for situation awareness design. It's good as a start point for researchers in this domain.

Very well written, and thorough : very useful perspective to design for process control.

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

Designing for Situation Awareness: An Approach to User-Centered Design, Second Edition
The Elements of User Experience: User-Centered Design for the Web and Beyond (2nd Edition) (Voices That Matter)
Awareness Through Movement: Easy-to-Do Health Exercises to Improve Your Posture, Vision, Imagination, and Personal Awareness
Public Health Nursing - Revised Reprint:

Population-Centered Health Care in the Community, 8e (Public Health Nursing: Population-Centered Health Care in the Community) Writing Effective User Stories: As a User, I Can Express a Business Need in User Story Format To Get the IT Solution I Need Android XBMC Kodi 5 In 1 User Guide (Updated September 2016): Android Tablet, Phone & Google TV User Guide, XBMC Kodi & TV Streaming User Guide Windows 10: The Ultimate User Guide for Advanced Users to Operate Microsoft Windows 10 (tips and tricks, user manual, user guide, updated and edited, Windows ... (windows,guide,general.guide,all Book 4) Echo: Echo Advanced User Guide (2016 Updated) : Step-by-Step Instructions to Enrich your Smart Life (Echo User Manual, Alexa User Guide, Echo Dot, Echo Tap) Designing for the Digital Age: How to Create Human-Centered Products and Services Designing with the Mind in Mind: Simple Guide to Understanding User Interface Design Rules Observing the User Experience, Second Edition: A Practitioner's Guide to User Research Confidence: Simple Confidence Building Tips That Will Destroy Your Shyness & Help You Become Confident In Any Situation, 3rd Edition (Self-Confidence, ... Anxiety, Confidence, Charisma, Introvert) Making Words Second Grade: 100 Hands-On Lessons for Phonemic Awareness, Phonics and Spelling This Calls for a Drink!: The Best Wines and Beers to Pair with Every Situation The History of the Island of Dominica : Containing a Description of Its Situation, Extent, Climate, Mountains, Rivers, Natural Productions, &c. &c. (Illustrated) The History of the Island of Dominica: Containing a Description of Its Situation, Extent, Climate, Mountains, Rivers, Natural Productions, &C, &C, ... Customs, and Manners of the Different Inhabitants The Situation and the Story: The Art of Personal Narrative International Travel and Health 2010: Situation as on 1 January 2010 Transitions Theory: Middle Range and Situation Specific Theories in Nursing Research and Practice (Meleis, Transitions Theory) Gestalt Therapy: Therapy of the Situation

[Dmca](#)