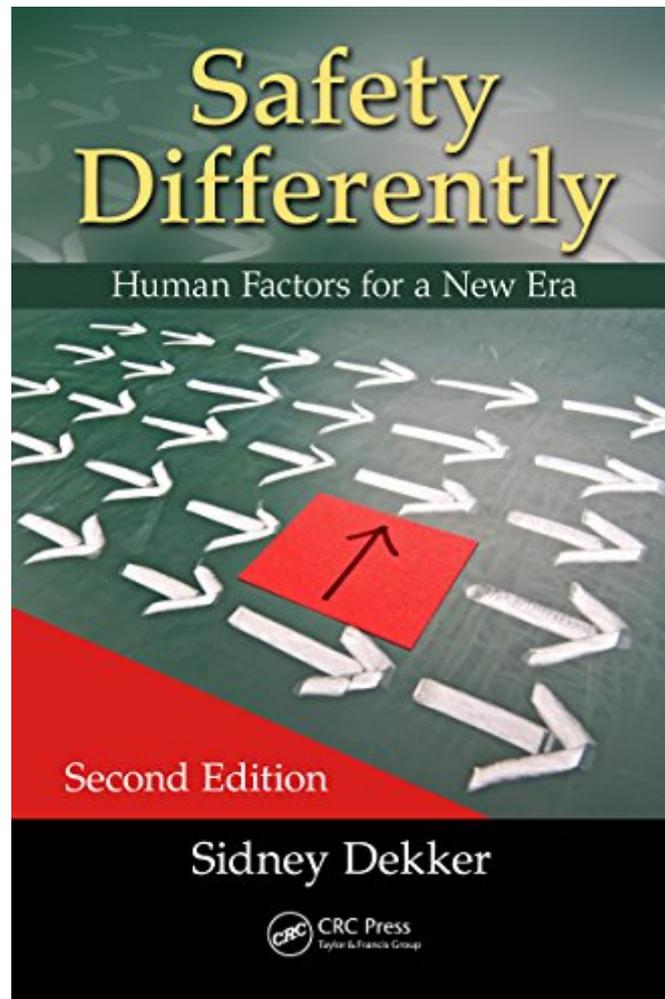# Safety Differently: Human Factors For A New Era, Second Edition

Synopsis

The second edition of a bestseller, Safety Differently: Human Factors for a New Era is a complete update of Ten Questions About Human Error: A New View of Human Factors and System Safety. Today, the unrelenting pace of technology change and growth of complexity calls for a different kind of safety thinking. Automation and new technologies have resulted in new roles, decisions, and vulnerabilities whilst practitioners are also faced with new levels of complexity, adaptation, and constraints. It is becoming increasingly apparent that conventional approaches to safety and human factors are not equipped to cope with these challenges and that a new era in safety is necessary. In addition to new material covering changes in the field during the past decade, the book takes a new approach to discussing safety. The previous edition looked critically at the answers human factors would typically provide and compared/contrasted them with current research and insights at that time. The edition explains how to turn safety from a bureaucratic accountability back into an ethical responsibility for those who do our dangerous work, and how to embrace the human factor not as a problem to control, but as a solution to harness.See Whatâ™s in the New Edition:New approach reflects changes in the fieldUpdated coverage of system safety and technology changesLatest human factors/ergonomics research applicable to safetyOrganizations, companies, and industries are faced with new demands and pressures resulting from the dynamics and nature of the modern marketplace and from the development and introduction of new technologies. This new era calls for a different kind of safety thinking, a thinking that sees people as the source of diversity, insight, creativity, and wisdom about safety, not as the source of risk that undermines an otherwise safe system. It calls for a kind of thinking that is quicker to trust people and mistrust bureaucracy, and that is more committed to actually preventing harm than to looking good. This book takes a forward-looking and assertively progressive view that prepares you to resolve current safety issues in any field.

Book Information

Text-to-Speech: Not enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #601,805 Paid in Kindle Store (See Top 100 Paid in Kindle Store)   #60 inÂ Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Safety & Health   #62 inÂ Kindle Store > Kindle eBooks > Nonfiction > Science > Technology > Safety & Health   #108 inÂ Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Ergonomics

Customer Reviews

As I read this text, I was impressed by the structure. Each new chapter has its own table of contents. This makes locating information exceptionally easy. I marveled at why more academic/technical texts do not implement this. Likewise, the study questions at the end of each chapter are of genuine value (and not simply some "busy-work" one might receive in a college classroom).The text itself is well-edited, but does contain a great deal of overinflated-language and jargon. Therefore, most lay-people will struggle with this work (which simply should not be the case). In this instance, an effortless, informative read is transformed into a dense "undertaking." This is always unfortunate.Moreover, some of the examples and figures are very difficult to discern. There is one grey-scale example that I cannot decipher (at all). It is located on page 212 and is just a muddied blur. (It is also possible that I have a bad copy (?)).Now, there are so definite problems with the presentation of this text. I found several sections so compelling that I attempted to share them with a colleague (who is older, but most assuredly, a well-respected authority). About ninety-minutes later, I found her in the hall. She handed the book back unceremoniously and noted that the font (in general) was a strain on her eyes. She then stated that the black-on-gray text-blocks were extremely difficult for her to read and the seven-point font used in the tables was impossible to decipher. I should have anticipated this since even I struggled to read the tables. Certainly, this is no reflection of the writer/author, but of the publishers who should have considered that some very sage but older eyes might have to view this text.

This isn't a book about Human Factors. The huge majority of the book is actually the history of HF as a discipline, all framed to support the author's theory about a fundamental flaw in the philosophy

of the discipline, and how to remedy it.It isn't until chapter 6, at page 173, entitled 'Methods and Models' that the, well, methods and models of HF are discussed. Up until then, it's a historical survey of the field. Given that this book is only 272 pages of text, giving 173 of them to a historical survey is quite generous. But even the Methods and Models chapter is a high level view, a sort of Philosophy of Human Factors, not anything that could be mistaken for an introduction to the field.The author's purpose in writing this book seems to be primarily to document and discredit any HF method that ignores broad, systemic context in any HF analysis. Lab-based studies get a lot of condescension. The argument is, i think, that as HF moves into the silicon age, the very philosophy of the field will need a reboot.Whether or not you agree with the content or presentation thereof, the book itself is sorely lacking. There are a few images in the book, and they're all of the black-and-white, photocopy-of-a-photocopy quality that makes it nearly impossible to distinguish anything at all in them. The images are so low quality that the book would have been improved by omitting them. The text is slightly clearer than the images, but not much. Jargon flies hard and fast. I tripped over the word 'hermeneutic' on page 172. Not being familiar with that word, i flipped to the index. What i found there was 'Hermeneutics, universality of, 198, 202'.

Sidney Dekker's new book is a brave attempt to think Philosophically and strategically about how we handle Safety issues in Organizations today. The book can be a dry read and the small font and graphics do not help much but the content is thought provoking and intriguing.Dekker's main point seems to be that trust and confidence in human ability should replace the trust in "bureaucracy, protocol and process" (pg 235). While this is inspiring in itself and perhaps it is the way to move forward - to have faith in human potential instead of in processes - it would seem that the road to this goal may be fraught with many losses. Especially when considered from the perspective of safety in Aviation it seems a little naÃƒÂ ve to think that businesses should have blind faith in the ability of their workers when the cost of making a single mistake can result in the loss of hundred's of lives. Processes and protocols in the Aviation industry are put in place to standardize human performance to the best of the ability of each worker. Transitioning to trust in the individual without processes in place (when depression, distraction, etc., can and do interfere with performance) can be a dangerous idea. In fields where human error can have drastic consequences a transition to a more 'trusting' way of thinking may be the way of the future but the process of that transition could be an unacceptably dangerous one.The book does do an excellent job of questioning how we have come to think about workers and safety processes today and has the potential to turn Safety thinking on it's head. It is a book meant more for those designing Human Factors improvements in

the organizations rather than for lay persons in the field.

Safety Differently: Human Factors for a New Era, Second Edition Handbook of Aviation Human Factors, Second Edition (Human Factors in Transportation (Hardcover)) Conceptual Foundations of Human Factors Measurement (Human Factors and Ergonomics) Handbook of Occupational Safety and Health (Human Factors and Ergonomics) IEC 61511-3 Ed. 1.0 b:2004, Functional safety - Safety instrumented systems for the process industry sector - Part 3: Guidance for the determination of the required safety integrity levels Human Computer Interaction Handbook: Fundamentals, Evolving Technologies, and Emerging Applications, Third Edition (Human Factors and Ergonomics) A Human Error Approach to Aviation Accident Analysis: The Human Factors Analysis and Classification System Human Factors Methods for Design: Making Systems Human-Centered Human Factors in Simple and Complex Systems, Second Edition Introduction to Human Factors and Ergonomics for Engineers, Second Edition Manga: La era del Nuevo Comic/ The New Era of comics (Spanish Edition) Driver Acceptance of New Technology: Theory, Measurement and Optimisation (Human Factors in Road and Rail Transport) Los rituales del caos (Biblioteca Era / Era Library) (Spanish Edition) Introduction to Human Factors Engineering (2nd Edition) Human Factors in Lighting, Third Edition Human Factors and Ergonomics Design Handbook, Third Edition Ecuador History: Pre-Hispanic Era, Discovery and Conquest, Spanish Colonial Era, Society, Economy, Government, Politics Finland History: Origins of the Finns, The Era of Swedish Rule, 1150-1809, Independence and the Interwar Era, 1917-39, Society, Economy, Government and Politics Human Factors In Engineering and Design Measure of Man and Woman: Human Factors in Design