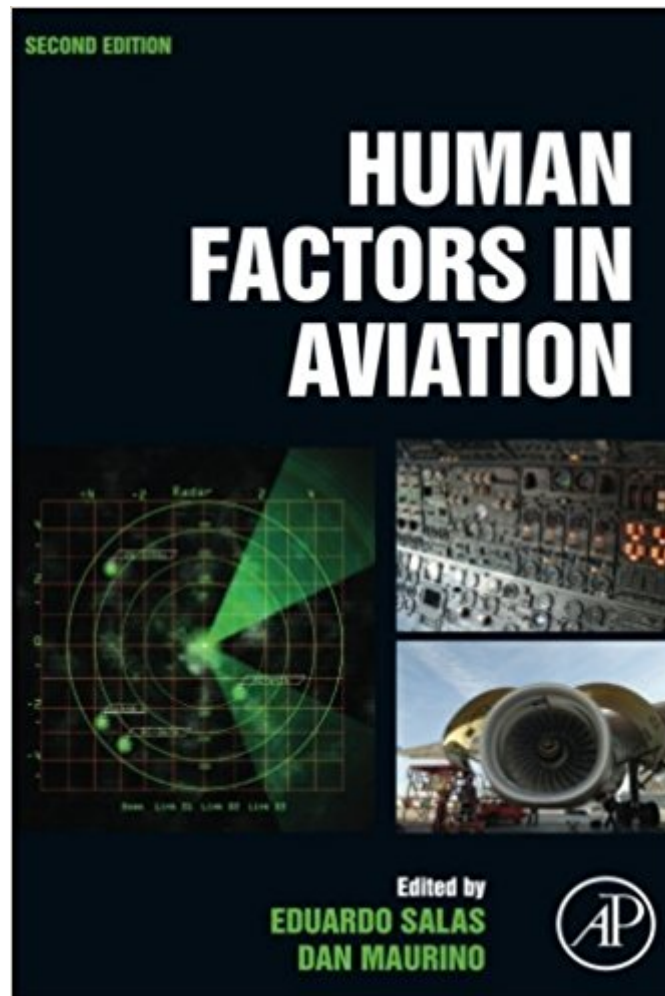




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Human Factors In Aviation, Second Edition



Synopsis

This edited textbook is a fully updated and expanded version of the highly successful first edition of Human Factors in Aviation. Written for the widespread aviation community - students, engineers, scientists, pilots, managers, government personnel, etc., HFA offers a comprehensive overview of the topic, taking readers from the general to the specific, first covering broad issues, then the more specific topics of pilot performance, human factors in aircraft design, and vehicles and systems. The new editors offer essential breath of experience on aviation human factors from multiple perspectives (i.e. scientific research, regulation, funding agencies, technology, and implementation) as well as knowledge about the science. The contributors are experts in their fields. Topics carried over from the first edition are fully updated, several by new authors who are now at the fore of the field. New material - which represents 50% of the volume - focuses on the challenges facing aviation specialists today. One of the most significant developments in this decade has been NextGen, the Federal Aviation Administration's plan to modernize national airspace and to address the impact of air traffic growth by increasing airspace capacity and efficiency while simultaneously improving safety, environmental impacts and user access. NextGen issues are covered in full. Other new topics include: High Reliability Organizational Perspective, Situation Awareness & Workload in Aviation, Human Error Analysis, Human-System Risk Management, LOSA, NOSS and Unmanned Aircraft System. Comprehensive text with up-to-date synthesis of primary source material that does not need to be supplemented. New edition thoroughly updated with 50% new material and full coverage of NextGen and other modern issues. Instructor website with test bank and image collection makes this the only text offering ancillary support. Liberal use of case examples exposes readers to real-world examples of dangers and solutions.

Book Information

Paperback: 744 pages

Publisher: Academic Press; 2 edition (February 25, 2010)

Language: English

ISBN-10: 0123745187

ISBN-13: 978-0123745187

Product Dimensions: 6 x 1.7 x 9 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 3.8 out of 5 stars 20 customer reviews

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Customer Reviews

Do any books have editors anymore? There are so many grammatical and spelling errors in this book it becomes extremely distracting. It's a shame because the content is interesting, but one must concentrate while reading and stopping to figure-out what the sentence is saying is frustrating.

I bought this book for a graduate class at ERAU as a required text. It is a very comprehensive introduction to the subject and contains 22 chapters, each of which are papers written by various industry experts on specific HF subtopics such as organization and systems, pilots/crew, HF in aircraft design, etc. I especially enjoyed the chapter on flight deck automation. This book also contains a good intro to CRM, but not like a training manual; more of a theory and recent issue review. Very recommendable.

To the human factors student, this book provides both general and detailed knowledge of many subject areas. The authors provided an appropriate selection of articles to incorporate. Overall a very informative, easy to read book and a great resource for the student and professional aviator.

This book is a great text book. But I keep reading misspelled words throughout the publication. You read along and it pops right out at you. Even on titles there are a few words not quite what you would expect for the price. Maybe they are proving Human Factors can affect writing.

Good book, meets expectations for my class. I have the kindle version which is lacking in the navigation department. You have to bookmark the TOC, then click on the chapter. Needs to be fixed!

Great book and did helped me out a lot with school research papers.

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