Human Factors in Aviation (Cognition and Perception)

From Academic Press
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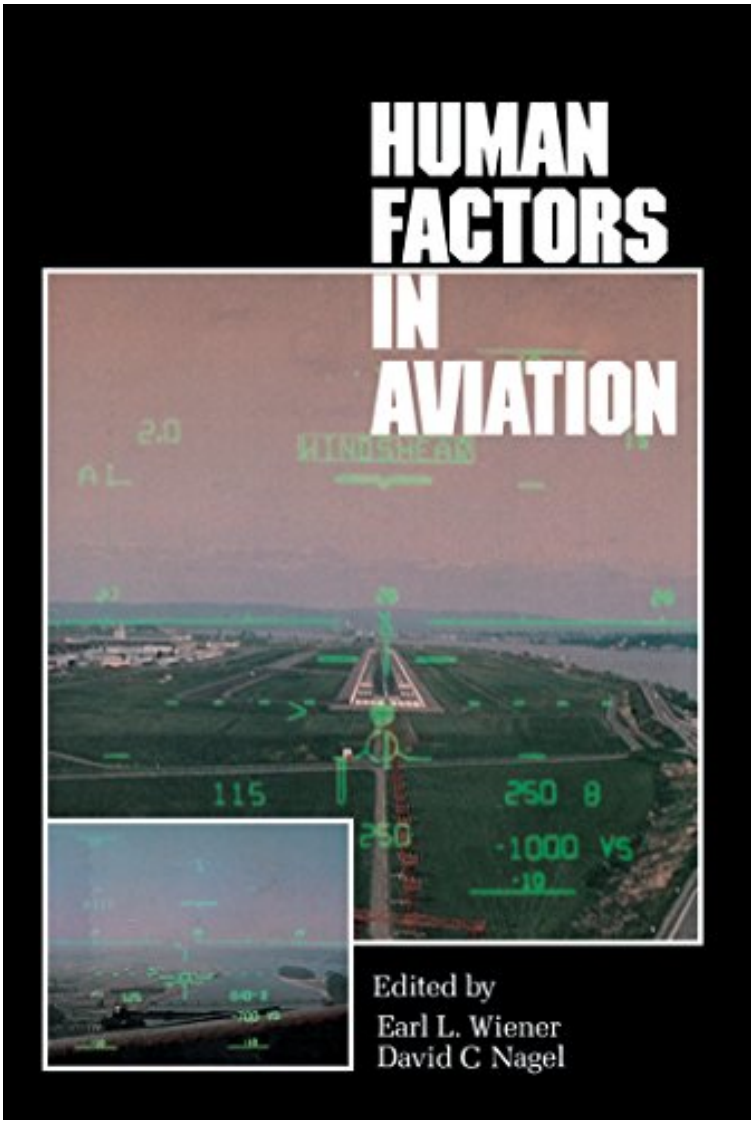

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From Academic Press : Human Factors in Aviation (Cognition and Perception) before purchasing it in order to gage whether or not it would be worth my time, and all praised Human Factors in Aviation (Cognition and Perception):

3 of 3 people found the following review helpful. Good introduction and referenceBy EyalIt was a very long time ago that I read it (there is a newer edition). It was used when I was developing a flight simulator and needed to educate myself in the relevant subjects, human factors being an important concern in the design of the avionic interfaces.It gave a very good coverage of the subject (but as a non-professional I do not know how complete) and gave me a perspective for my own ideas.This is not a light read, but a proper reference - I read closely the chapters that relate to

my interest.1 of 1 people found the following review helpful. Five StarsBy Dave MoseleyDated but excellent treatise on the subtle reasons humans and planes crash.1 of 1 people found the following review helpful. Good but datedBy Anonymous ItalianA great introduction to human factors but it shows its age in its focus, its examples, and its recommendations. Nevertheless, this book makes a good starting point.

Since the 1950s, a number of specialized books dealing with human factors has been published, but very little in aviation. Human Factors in Aviation is the first comprehensive review of contemporary applications of human factors research to aviation. A "must" for aviation professionals, equipment and systems designers, pilots, and managers--with emphasis on definition and solution of specific problems. General areas of human cognition and perception, systems theory, and safety are approached through specific topics in aviation--behavioral analysis of pilot performance, cockpit automation, advancing display and control technology, and training methods.

This is the book to read if you wish to know how behavioral concepts underlie pilot performance....Worth procuring if you are interested in pilot performance. It is handsomely produced and would be a worthy addition to any library.--HUMAN FACTORS SOCIETY BULLETINThis is a book that would be well worth having on one's shelf. For the human-factors psychologist, it is a necessity: many chapters provide not only thorough historical reviews, but also reports on state-of-the-art research and practice in applications to aviation. For other psychologists, the book is a powerful demonstration of the impact that basic theory and empirical research in psychology can have for real world phenomena. The editors and authors have provided the psychological community with a vivid description of how experimental, physiological, social, and differential psychology can combine to create an interface with the technological world outside of the laboratory.--Phillip L. Ackerman in CONTEMPORARY PSYCHOLOGYThis book is by far the most authoritative resource in human factors to be published in many years. Human Factors in Aviation is a successful attempt to define the scientific issues underlying this vitally important field of study and provides a framework to understand future endeavors.--Donald E. Hudson, M.D., ALPA Associate Aeromedical Advisor in AIR LINE PILOTOnly once in a great while in any discipline does a text come along that sets the standard for many years. This is such a book....This is the stuff that makes instant experts. Instead of becoming informed by reading conflicting papers over a long period of time, you can just read this book.--Capt. Don Smith in THE SAFETY MINDThis big volume, by about thirty human engineering and aviation experts, is the definitive book on the application of human factors to aviation....should be required reading for ATC system designers and administrators.--AIR TRAFFIC CONTROLAbout the AuthorEarl L. Wiener is a professor of management science and industrial engineering at the University of Miami. He received his B.A. in psychology from Duke University and his Ph.D. in psychology and industrial engineering from Ohio State University. He served as a pilot in the U.S. Air Force and U.S. Army and is rated in fixed-wing and rotary-wing aircraft. He has conducted research in the areas of human vigilance, automobile and aviation safety, and accidents occurring to the elderly. Since 1979 he has been active in the aeronautics and cockpit automation research of NASArsquo;s Ames Research Center. Dr. Wiener is a fellow of the Human Factors Society and the American Psychological Association.David C. Nagel is the chief of the Aerospace Human Factors Research Division at NASArsquo;s Ames Research Center. The division is responsible for conducting a broad spectrum of research in the areas of human performance and aeronautical and space human factors. Areas studied include individual and group performance, human-computer interaction, supervisory control, interface designs for autonomous systems, computational human engineering methods, and advanced space suits and portable life-support systems. Dr. Nagel has undergraduate and graduate degrees in engineering and a Ph.D. in perception and mathematical psychology, all from the University of California at Los Angeles (UCLA).Now Available in Paperback!