APA handbook of human systems integration [

Boehm-Davis, Deborah Ann,
editor

Durso, Francis Thomas,
editor

Lee, John D.,
editor

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Monografía

"The APA Handbook of Human Systems Integration is a practical tool for both students and professionals who need specific knowledge about human considerations in systems design. It is intended to sensitize readers to basic design issues, enhance their understanding of the influence of these issues, and guide them in appropriately combining human performance with a system's numerous interacting components. A central tenet of this book is that it is not sufficient to examine items independently--one must go beyond a focus on individual workers, tools, tasks, or environments. Thus, the handbook is a "how to" resource that reflects the state-of-the-art on work in this enterprise. The book's opening chapters define what is meant by human systems integration, provide a historical overview of the field, and describe a set of case studies to which many chapter authors apply their expertise. Succeeding chapters reflect on the physical, physiological, perceptual, cognitive, and organizational considerations that affect human systems performance and discuss how the knowledge base of the field has been applied in various domains. The remaining chapters describe the trade-offs associated with integrating individual considerations and systems performance, discussing how a decision that optimizes performance in one area (e.g., display design) may entail a reduction of performance in another area (e.g., staffing or personnel selection)"--Publicity materials. (PsycINFO Database Record (c) 2015 APA, all rights reserved)

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Título: APA handbook of human systems integration Recurso electrónico] Deborah A. Boehm-Davis, PhD, College of Humanities and Social Sciences, George Mason University, Francis T. Durso, PhD, Engineering Psychology Program, Georgia Institute of Technology, and John D. Lee, PhD, Department of Industrial and Systems Engineering, University of Wisconsin, editors-in-chief

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Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es