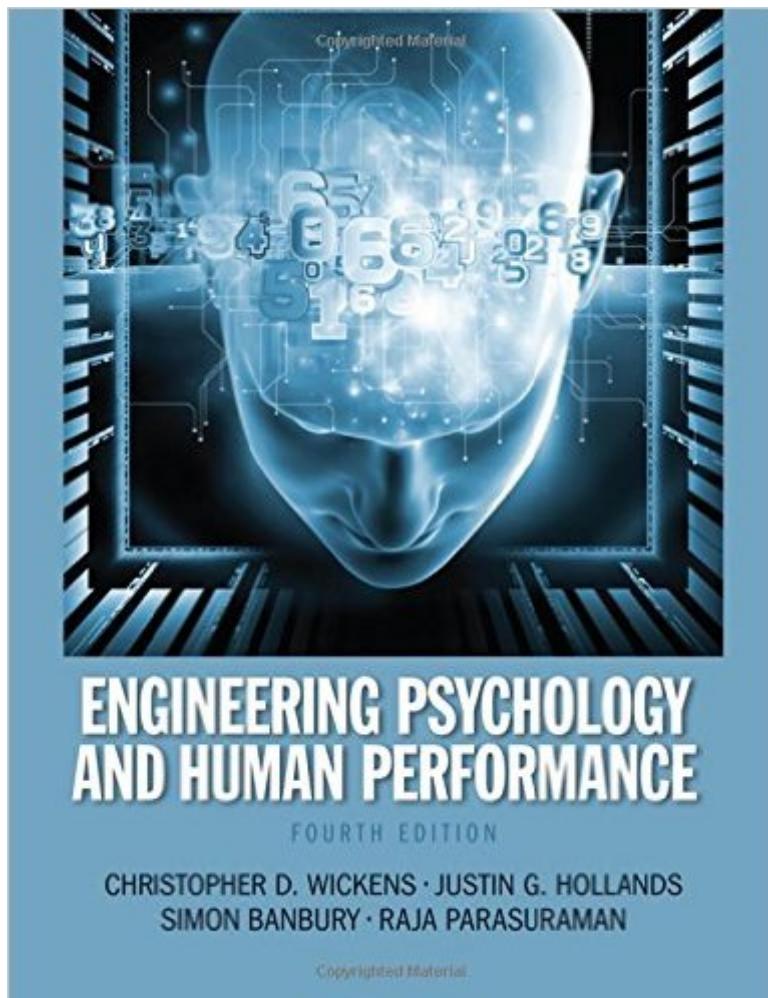


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# Engineering Psychology And Human Performance



## **Synopsis**

Forming connections between human performance and design Engineering Psychology and Human Performance, 4e examines human-machine interaction. The book is organized directly from the psychological perspective of human information processing. The chapters generally correspond to the flow of information as it is processed by a human being--from the senses, through the brain, to action--rather than from the perspective of system components or engineering design concepts. This book is ideal for a psychology student, engineering student, or actual practitioner in engineering psychology, human performance, and human factors Learning Goals Upon completing this book, readers should be able to: \* Identify how human ability contributes to the design of technology. \* Understand the connections within human information processing and human performance. \* Challenge the way they think about technology's influence on human performance. \* Show how theoretical advances have been, or might be, applied to improving human-machine interaction

## **Book Information**

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Average Customer Review: 4.0 out of 5 starsÂ See all reviewsÂ (3 customer reviews)

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## **Customer Reviews**

TL;DR: The book's content is great, but it's presented in a somewhat rough manner that needs some editing. Review: This book was used in a graduate engineering course as required primary reading. Wickens and Parasuraman are pretty well-known within their field, so it was a treat to use a book authored and edited by these guys on topics for which they've set the tone. The book's bibliography

is rather extensive and could be very helpful for someone looking to do research in the confluence of engineering psychology and human performance. My issue with the book stems from editorial polish in diagram drawing and brass tacks editing (typos, dropped commas, misformatted citations). First, some of the representational diagrams (those used to illustrate ideas, not plot data) in the book look like they were drawn in MS Paint. For example, page 94: the bottom left-hand oval-looking thing is supposed to be person's head? Come on, you people can't be serious about that. Figure 11.5 on page 367: can't this be done with straight lines, or can't the point of confluence from the four choices (where the "Performance" line egresses and moves back to "Appraisal") be centered on the bottom to improve image balance? I think graph drawing with dedicated software packages, even something like MS Visio, could improve the layout for some of these diagrams and aid comprehension. Regarding typos, dropped commas, and misformatted citations, they show up periodically throughout the text but are only minor distractions. The best instance I can remember are the strings of citations in Chapter 10 that regularly drop commas in multiple-author citations.

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