

# 人因工程手冊 第5版

HANDBOOK OF HUMAN FACTORS AND ERGONOMICS, 5<sup>TH</sup> EDITION

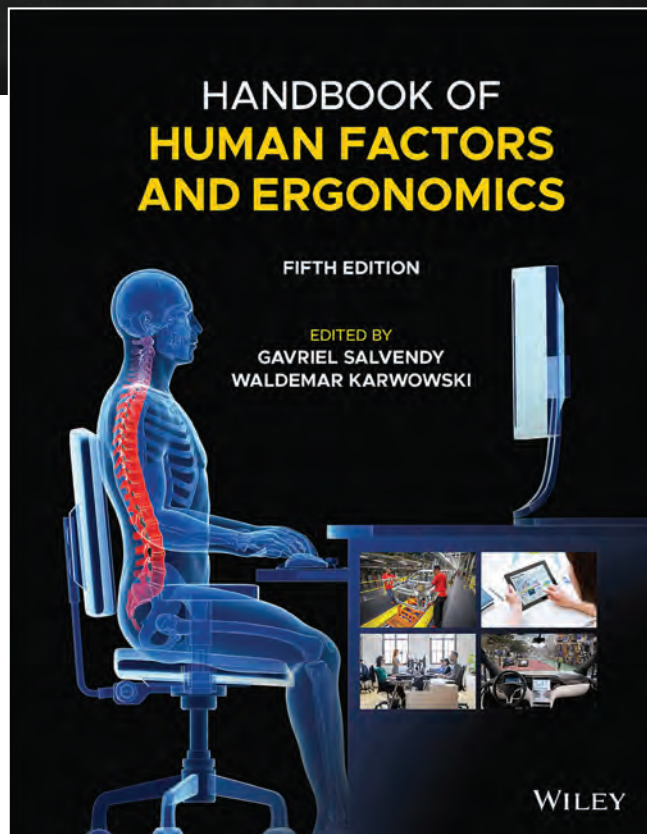
Gavriel Salvendy (編輯) & Waldemar Karwowski (編輯)

工業工程 | 人因工程

透過這本領先市場的最新資訊，探索人因工程的最  
新發展。

在新修訂的第五版《人因工程手冊》中，Gavriel Salvendy 博士與 Waldemar Karwowski 博士結合人因工程領域頂尖專家組成的國際團隊，詳盡探索工作場所環境設計、人機介面，以及有關降低健康和風險的頂尖研究。本手冊包含從超過 7500 個來源收集而來的資訊，並特別對人工智慧、社群媒體、資訊技術與網路安全，以及資料分析等領域，進行全新介紹。以多個案例研究來展現其中討論之觀念及方法在現實生活中的應用，並展示該領域自 2012 年本手冊第四版出版後的傑出發展。

- 詳細介紹人因功能，包括人因工程、人類系統設計及整合的原則
- 探索人因的基礎知識，包括感覺和知覺、選擇及動作控制、資訊處理，以及心理負荷
- 討論裝備、任務、工作與環境的設計，包括工作場所設計、任務分析與設計，以及訓練系統
- 深入論述帶來健康、安全與舒適的設計，包括下背部及上肢的肌肉骨骼異常，以及個人防護裝備的使用



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《人因工程手冊》非常適合任何職業生涯階段的人因工程師閱讀，也適合設計工程師、應用心理學家、人機交互作用專家、工程與技術經理、安全專業人員和工業衛生師收入藏書。

## 關於編輯

**Gavriel Salvendy, Ph.D.**, is a University Distinguished Professor at the University of Central Florida, and Founding President of the Academy of Science, Engineering, and Medicine of Florida. He is also Professor Emeritus of Industrial Engineering at Purdue University, and Founding Head of the Department of Industrial Engineering at Tsinghua University, Beijing, China. He is the author of nearly 600 research publications, including 320 journal papers. He is the founding editor of two journals: *International Journal on Human-Computer Interaction* and *Human Factors and Ergonomics in Manufacturing and Service Industries*.

**Waldemar Karwowski, Ph.D.**, is Pegasus Professor and Chairman of the Department of Industrial Engineering and Management Systems at the University of Central Florida. He has over 550 research publications, including over 200 journal papers focused on ergonomics and safety, human performance, neuro-fuzzy systems, nonlinear dynamics, human-centered AI, and neuroergonomics. Dr. Karwowski currently is Co-Editor-in-Chief of *Theoretical Issues in Ergonomics Science* journal, Editor-in-Chief of *Human-Intelligent Systems Integration* journal, and Field Chief Editor of the *Frontiers in Neuroergonomics* journal.



如有書籍相關疑問，請洽詢台灣業務代表：Gina Chen | 陳紀帆 | [gchen@wiley.com](mailto:gchen@wiley.com)

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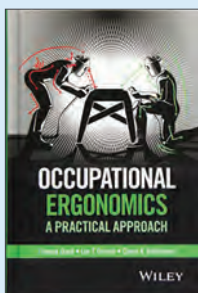
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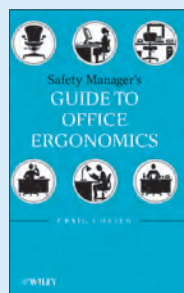
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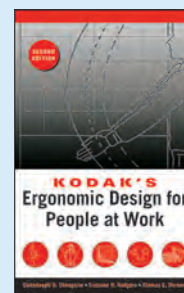
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