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Titolo	Human-Automation Interaction : Manufacturing, Services and User Experience // edited by Vincent G. Duffy, Mark Lehto, Yuehwern Yih, Robert W. Proctor
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ISBN	3-031-10780-2
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (635 pages)
Collana	Automation, Collaboration, & E-Services, , 2193-4738 ; ; 10
Disciplina	361 629.8924019
Soggetti	Computational intelligence Automatic control Robotics Automation Manufactures Artificial intelligence Computational Intelligence Control, Robotics, Automation Machines, Tools, Processes Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Future of Work and Work Systems: Machine Learning & Artificial Intelligence for Designing Smart, Safe, Healthy & Ethical Work in Financial Services -- Supporting production management in the fourth industrial revolution: a framework based on shop-floor data -- Perceived Usability in User-Centered Design: Analysis of Usability Aspects for Improving Human-Machine System -- Synthesizing Construction Professionals' Perceived Measures of Mitigating Contractors' Opportunism -- Systematic Review of the Relationship between Advanced Production Management and Workplace Safety.
Sommario/riassunto	This book provides practical guidance and awareness for a growing

body of knowledge developing across a variety of disciplines and many countries. This book is a celebration of the Gavriel Salvendy International Symposium (GSIS) and provides a survey of topics and emerging areas of interest in human–automation interaction. This book for the GSIS emphasizes main thematic areas: manufacturing, services and user experience. Main areas of coverage include Section A: Advanced Production Management and Production Control; Section B: Healthcare Automation; Section C: Measuring and Modeling Human Performance; Section D: Usability and User Experience; Section E: Safety Management and Occupational Ergonomics; Section F: Manufacturing and Services; Section G: Data and Probabilistic Information; Section H: Training and Collaboration Technologies. Contributions from especially early career researchers were featured as part of this (virtual) symposium and celebration. Gavriel Salvendy initiated the conferences that run annually as Human–Computer Interaction International and Applied Human Factors and Ergonomics International (AHFE), both within the Lecture Notes in Springer. The book is inclusive of human–computer interaction and human factors and ergonomics principles, yet it is intended to serve a much wider audience that has interest in automation and human modeling. The emerging need for human–automation interaction expertise has developed from an ever-growing availability and presence of automation in our everyday lives. .

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