1. Record Nr.	UNINA9910411937103321
Titolo	Advances in Ergonomics in Design : Proceedings of the AHFE 2020 Virtual Conference on Ergonomics in Design, July 16–20, 2020, USA / / edited by Francisco Rebelo, Marcelo Soares
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-51038-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVI, 409 p. 151 illus., 103 illus. in color.)
Collana	Advances in Intelligent Systems and Computing, , 2194-5357 ; ; 1203
Disciplina	745.4 620.82
Soggetti	Engineering design Graphic design User interfaces (Computer systems) Engineering Design Interaction Design User Interfaces and Human Computer Interaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Discussing research through co-design in policy-making -- The washing machine and the freed time: The modernization of a social rite and the aesthetic conquest of a model made in Italy -- Customising human factors information for better Australian Army soldier equipment design and acquisition -- The role of virtual package shapes in digital product presentation -- Use of rubber fibers to prepare of impact resistant concrete in factory slabs -- Improved design of She people's "Cai-Dai" weaving loom based on the protection of the intangible cultural heritage in China -- Ergonomic and social considerations in public design for country parks: A case study on refuse collection facilities against wildlife's raids -- Design and research of tools for auxiliary bra wearing -- A web platform targeting for easier fit performance analysis and head wear products aided design.
Sommario/riassunto	This book provides readers with a timely snapshot of ergonomics

research and methods applied to the design, development and prototyping—as well as the evaluation, training and manufacturing—of products, systems and services. Combining theoretical contributions, case studies and reports on technical interventions, it covers a wide range of topics in ergonomic design including ecological design; cultural and ethical aspects in design; interface design, user involvement and human–computer interaction in design; as well as design for accessibility and many others. The book particularly focuses on new technologies such as virtual reality, state-of-the-art methodologies in information design, and human–computer interfaces. Based on the AHFE 2020 Virtual Conference on Ergonomics in Design, held on July 10–16, 2020, the book offers a timely guide for both researchers and design practitioners, including industrial designers, human–computer interaction and user experience researchers, production engineers and applied psychologists.