Record Nr. UNINA9910818578403321 Human factors and ergonomics in consumer product design: methods **Titolo** and techniques / / edited by Waldemar Karwowski, Marcelo M. Soares. Neville A. Stanton Boca Raton, Fla.:,: CRC Press,, 2011 Pubbl/distr/stampa **ISBN** 0-429-18917-6 1-283-25725-4 9786613257253 1-4200-4629-2 Descrizione fisica 1 online resource (494 p.) Ergonomics design and management Collana KarwowskiWaldemar <1953-> Altri autori (Persone) SoaresMarcelo M StantonNeville A Disciplina 620.8/2 Soggetti Human engineering Consumer goods - Design Human-computer interaction Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Front Cover; Contents; Preface; Acknowledgments; Editors; Contributors: Chapter 1: Techniques to Translate Design Research into Useful, Usable, and Desirable Products; Chapter 2: Manufacturing Attractive Products Logically by Using Human Design Technology: A Case of Japanese Methodology; Chapter 3: Persona: A Method to Produce Representations Focused on Consumers' Needs; Chapter 4: Model-Based Framework for Influencing Consumer Products Conceptual Designs: Chapter 5: Smarter Products User-Centered Systems Engineering Chapter 6: Supply and Demand: Perspectives on Mental Workload with Consumer ProductsChapter 7: Intelligence, Creativity, and Decisions in

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Sommario/riassunto

Every day we interact with thousands of consumer products. We not only expect them to perform their functions safely, reliably, and efficiently, but also to do it so seamlessly that we don't even think about it. However, with the many factors involved in consumer product design, from the application of human factors and ergonomics principles to reducing risks of malfunction and the total life cycle cost, well, the process just seems to get more complex. Edited by well-known and well-respected experts, the two-volumes of Handbook of Human Factors and Ergonomics in Consumer Product Design