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| Titolo                  | Research into Design for Communities, Volume 1 : Proceedings of ICoRD 2017 // edited by Amaresh Chakrabarti, Debkumar Chakrabarti  |
| Pubbl/distr/stampa      | Singapore : , : Springer Singapore : , : Imprint : Springer, , 2017  |
| Edizione                | [1st ed. 2017.]  |
| Descrizione fisica      | 1 online resource (XXXII, 1051 p. 418 illus., 293 illus. in color.)  |
| Collana                 | Smart Innovation, Systems and Technologies, , 2190-3018 ; ; 65   |
| Disciplina              | 620.00420285   |
| Soggetti                | Engineering design<br>Manufactures<br>Quality control<br>Reliability<br>Industrial safety<br>Engineering Design<br>Manufacturing, Machines, Tools, Processes<br>Quality Control, Reliability, Safety and Risk  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Nota di bibliografia    | Includes bibliographical references at the end of each chapters and index.   |
| Nota di contenuto       | Part I: Design Theory and Research Methodology -- Part II: Human factors in Design -- Part III: Design for X (Safety, Manufacture & Assembly, Cost , Reliability etc.) -- Part IV: Enabling Technologies & Tools (Computer Aided Conceptual Design, Virtual Reality, Haptics, etc) -- Part V: Design Management, Knowledge Management and Product Life Cycle Management , Design Analytics -- Part VI: Applications in Practice (Automotive, Aerospace, Biomedical Devices, MEMS, etc.) -- Part VII: Design Collaboration and Communication. |
| Sommario/riassunto      | This book showcases cutting-edge research papers from the 6th International Conference on Research into Design (ICoRD 2017) – the largest in India in this area – written by eminent researchers from across the world on design process, technologies, methods and tools, and their impact on innovation, for supporting design for communities. While design traditionally focused on the development of products for the individual, the emerging consensus on working towards a more   |

sustainable world demands greater attention to designing for and with communities, so as to promote their sustenance and harmony - within each community and across communities. The special features of the book are the insights into the product and system innovation process, and the host of methods and tools from all major areas of design research for the enhancement of the innovation process. The main benefit of the book for researchers in various areas of design and innovation are access to the latest quality research in this area, with the largest collection of research from India. For practitioners and educators, it is exposure to an empirically validated suite of theories, models, methods and tools that can be taught and practiced for design-led innovation. The contents of this volume will be of use to researchers and professionals working in the areas on industrial design, manufacturing, consumer goods, and industrial management. .

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