1. Record Nr. UNINA9910580159003321

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| Titolo | Algorithms and Computational Techniques Applied to Industry / / edited by Jorge Luis García Alcaraz, Arturo Realyvásquez Vargas |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022 |
| ISBN | 3-031-00856-1 |
| Edizione | [1st ed. 2022.] |
| Descrizione fisica | 1 online resource (460 pages) |
| Collana | Studies in Systems, Decision and Control, , 2198-4190 ; ; 435 |
| Disciplina | 658.7 |
| Soggetti | Computational intelligence<br>Engineering mathematics<br>Engineering—Data processing<br>Computational Intelligence<br>Mathematical and Computational Engineering Applications |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Part I. Supply chain and provisions -- Chapter 1. Information Systems for Enterprise Resource Planning -- Chapter 2 Geothermal Power Projects Valuation Model -- Chapter 3. Design and Implementation of a Desktop Application for Consultation Centers for Staff, Information Regarding Training, Job Promotion and Transportation Routes, in an Automotive Electrical Harness Company -- Chapter 4. Digital Evolution in Supply Chain Management with Industry 4.0 -- Chapter 5. Farm Based Discomfort and Perceived Mental Stress among Farmers -- Part II. Production processes -- Chapter 6. The Use of Quantum Computing with 3d Modeling in the Industrial Sector -- Part III. Distribution and commercialization -- Chapter 7. Analyzing supply quality improvements in ETO companies that switch to mass customization via AI techniques. |
| Sommario/riassunto | This book presents algorithms and computational applications integrated in software that are being applied in the industry. It shows how companies using these tools are more competitive and efficient in the use and resources management. The book is organized in three sections, depending on the supply chain stage: procurement, including |

contact with costumers and product design; Production process, including relationship with suppliers and among departments; and Distribution, including logistics and transportation. .