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| 1. Record Nr.           | UNINA9910970407203321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Titolo                  | Engineering informatics : fundamentals of computer-aided engineering<br>// Benny Raphael, Ian F.C. Smith                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Pubbl/distr/stampa      | Chicester, : John Wiley & Sons, c2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ISBN                    | 9781118536322<br>1118536320<br>9781118536292<br>1118536290                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Edizione                | [2nd ed.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Descrizione fisica      | 1 online resource (357 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Collana                 | New York Academy of Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Classificazione         | 620.00285<br>501.8<br>007.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Altri autori (Persone)  | Smithlan F. C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Disciplina              | 620.00285                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Soggetti                | Computer-aided engineering<br>Engineering - Data processing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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       | Introduction -- Complexity -- Datastruct -- Objects -- Databases --<br>Comp mechanics -- Constraints -- Optsearch -- Knowledge systems<br>-- Machine learning -- Geom-modeling -- Graphics -- Distributed-<br>applications.                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sommario/riassunto      | Computers are ubiquitous throughout all life-cycle stages of<br>engineering, from conceptual design to manufacturing maintenance,<br>repair and replacement. It is essential for all engineers to be aware of<br>the knowledge behind computer-based tools and techniques they are<br>likely to encounter. The computational technology, which allows<br>engineers to carry out design, modelling, visualisation, manufacturing,<br>construction and management of products and infrastructure is known<br>as Computer-Aided Engineering (CAE). Engineering Informatics:<br>Fundamentals of Computer-Aided Engineering, 2nd Editio |