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| 1. Record Nr. | UNISA990000147010203316 |
| Autore | BANKS, Jerry |
| Titolo | Discrete-event system simulation / Jerry Banks, John S. Carlson, II, Barry L. Nelson |
| Pubbl/distr/stampa | Upper Saddle River (N.J.) : Prentice Hall, copyr. 1996 |
| ISBN | 0-13-217449-9 |
| Edizione | [2nd ed] |
| Disciplina | 003.83 |
| Collocazione | 003.83 BAN |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
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- | | |
|-------------------------|---|
| 2. Record Nr. | UNINA9910317807703321 |
| Titolo | Additive manufacturing of high-performance metals and alloys : modeling and optimization / / edited by Igor Shishkovsky |
| Pubbl/distr/stampa | IntechOpen, 2018
London, England : , : IntechOpen, , [2018]
©2018 |
| ISBN | 1-83881-390-X
1-78923-389-5 |
| Descrizione fisica | 1 online resource (154 pages) : illustrations |
| Disciplina | 670 |
| Soggetti | Manufacturing processes
Three-dimensional printing
Alloys |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references. |

Freedoms in material choice based on combinatorial design, different directions of process optimization, and computational tools are a significant advantage of additive manufacturing technology. The combination of additive and information technologies enables rapid prototyping and rapid manufacturing models on the design stage, thereby significantly accelerating the design cycle in mechanical engineering. Modern and high-demand powder bed fusion and directed energy deposition methods allow obtaining functional complex shapes and functionally graded structures. Until now, the experimental parametric analysis remains as the main method during AM optimization. Therefore, an additional goal of this book is to introduce readers to new modeling and material's optimization approaches in the rapidly changing world of additive manufacturing of high-performance metals and alloys.
