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Titolo	Rapid Roboting : Recent Advances on 3D Printers and Robotics // edited by Fernando Auat, Pablo Prieto, Gualtiero Fantoni
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Descrizione fisica	1 online resource (233 pages)
Collana	Intelligent Systems, Control and Automation: Science and Engineering, , 2213-8994 ; ; 82
Disciplina	629.892
Soggetti	Engineering design Computer-aided engineering Automatic control Robotics Automation Engineering Design Computer-Aided Engineering (CAD, CAE) and Design Control, Robotics, Automation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1. Rapid Roboting: The New Approach for Quickly Development of Customized Robots -- Chapter 2. Additive Manufacturing Enabling Technologies for Rapid Roboting -- Chapter 3. Printing 3D Electronics for Robotics -- Chapter 4. Design of Mobile Robots -- Chapter 5. Prototyping the Brain of a Robot -- Chapter 6. Soft Robotics -- Chapter 7. Autonomous Service Robotics -- Chapter 8. Bio-Inspired Robotics -- Chapter 9. Biomedical Devices: Materials, Fabrication and Control -- Chapter 10. Future Trends.
Sommario/riassunto	This book summarizes recent advances in robotics using 3D printers and rapid prototyping as a concept development tool. The book is focused on industrial applications, educational aspects, rehabilitation, and other related topics. In particular, the book is intended to offer the reader a smooth yet deep introduction to the use of 3D printers and rapid prototyping techniques as a solution to robotics and

mechatronics problems, highlighting successful case studies.
