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| Disciplina              | 780  |
| Soggetti                | Automatic control<br>Robotics<br>Automation<br>Manufactures<br>Industrial engineering<br>Industrial management<br>Control, Robotics, Automation<br>Machines, Tools, Processes<br>Industrial Automation<br>Industrial Management  |
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| Nota di contenuto       | Industry 4.0 and 5.0 -- Robotics and Automation -- AI & Computational Intelligence -- Intelligent Manufactory -- Design and Optimization -- Product Life-cycle Management -- Advanced Manufacturing Systems -- Manufacturing Operations Management -- Smart Aquaculture Technology -- Knowledge Management and Decision Making -- Manufacturing Quality Control and Management -- Sustainable Production -- Diagnosis and Prognosis of Machines -- Lean and Agile Manufacturing -- Virtual and Grid Manufacturing -- Resource and Asset Management -- Logistics and Supply Chain Management -- Fashion Logistics and Marketing -- RFID Applications -- Predictive and Cognitive Maintenance -- 3D Printing -- Intelligent Inspection -- Chemical Process Equipment -- Parallel Mechanism and Manipulator -- Integration of CAD/CAPP/CAM/CIMS -- Smart Factory. |

This book is a compilation of selected papers from the 12th International Workshop of Advanced Manufacturing and Automation (IWAMA 2022), held in Jimei University, Xiamen, China on 01 - 02 November, 2022. Topics focusing on novel techniques for manufacturing and automation in Industry 4.0 are now vital factors for the maintenance and improvement of the economy of a nation and the quality of life. It will help academic researchers and engineering to implement the concept, theory and methods in Industry 4.0 which has been a hot topic. These proceedings will make valuable contributions to academic researchers, engineers in the industry for the challenges in the 4th industry revolution and smart factories.

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