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Titolo	Factories of the Future [[electronic resource] ] : The Italian Flagship Initiative // edited by Tullio Tolio, Giacomo Copani, Walter Terkaj
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Soggetti	Industrial engineering Production engineering Industrial and Production Engineering
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Nota di contenuto	Factory of the future: research framework -- Evolutionary and reconfigurable factory -- Sustainable factory -- Factory for the people -- Factory for customized products -- High performance factory -- Conclusions.
Sommario/riassunto	This book is open access under a CC BY 4.0 license. This book presents results relevant in the manufacturing research field, that are mainly aimed at closing the gap between the academic investigation and the industrial application, in collaboration with manufacturing companies. Several hardware and software prototypes represent the key outcome of the scientific contributions that can be grouped into five main areas, representing different perspectives of the factory domain: 1) Evolutionary and reconfigurable factories to cope with dynamic production contexts characterized by evolving demand and technologies, products and processes. 2) Factories for sustainable production, asking for energy efficiency, low environmental impact products and processes, new de-production logics, sustainable logistics. 3) Factories for the People who need new kinds of interactions between production processes, machines, and human beings to offer a more comfortable and stimulating working environment. 4) Factories for customized products that will be more and more tailored to the

final user's needs and sold at cost-effective prices. 5) High performance factories to yield the due production while minimizing the inefficiencies caused by failures, management problems, maintenance. This books is primarily targeted to academic researchers and industrial practitioners in the manufacturing domain.

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