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Titolo	Digital Transformation in Industry [[electronic resource]] : Digital Twins and New Business Models // edited by Vikas Kumar, Jiewu Leng, Victoria Akberdina, Evgeny Kuzmin
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Collana	Lecture Notes in Information Systems and Organisation, , 2195-4976 ; ; 54
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Nota di contenuto	Digital Twins in the Industry: Maturity, Functions, Effects -- Architecting Digital Twin-Driven Transformation in the Refrigeration and Air Conditioning Sector -- Practical Application of the Concept of Digital Twins in the Aviation Sector -- Digital Revolution in the Energy Sector: Effects of Using Digital Twin Technology -- Digital Twins in Russian Metallurgy: Prerequisites and Limitations of Use -- Digital Twin of the Social System: Calculating the Environment's Reaction to the Company's Activeness -- Networking in the Platform Development of Ecosystems -- Digital Ecosystems in Industry: Conceptualization and Strategic Aspects of Development -- Digital Platform for Regional Industry: Prerequisites and Functionality -- Towards Digital Twins for the Development of Territories. .
Sommario/riassunto	This book offers a selection of the best papers presented at the annual

international scientific conference “Digital Transformation in Industry: Trends, Management, Strategies (DTI2021),” held by the Institute of Economics, Ural Branch of the Russian Academy of Sciences, in Ekaterinburg (Russia) on October 29, 2021. The book focuses on the idea of introduction mechanisms for digitization processes and on highlighting successful digital transformation strategies in all sectors of industry. Key topics include the development of a cyber-physical production system for Industry 4.0; digital design technologies for enhancing the competitiveness of products and companies; digital twin-driven product manufacturing and services; and the effects of the industrial digital transformation on society and the environment. With regard to implementing IT and other technological innovations, lessons learned in developed and developing economies, as well as small and large enterprises, are included. Given its scope, the book offers a valuable asset for researchers and managers of industrial organizations alike.
