

1. Record Nr.	UNINA9910337626403321
Titolo	Advances in Design, Simulation and Manufacturing : Proceedings of the International Conference on Design, Simulation, Manufacturing: The Innovation Exchange, DSMIE-2018, June 12-15, 2018, Sumy, Ukraine / / edited by Vitalii Ivanov, Yiming Rong, Justyna Trojanowska, Joachim Venus, Oleksandr Liaposhchenko, Jozef Zajac, Ivan Pavlenko, Milan Edl, Dragan Perakovic
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-319-93587-9
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XVI, 539 p. 298 illus.)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Disciplina	670.42
Soggetti	Engineering design Manufactures Chemistry, Physical and theoretical Multibody systems Vibration Mechanics, Applied Computer-aided engineering Engineering Design Machines, Tools, Processes Theoretical Chemistry Multibody Systems and Mechanical Vibrations Computer-Aided Engineering (CAD, CAE) and Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book reports on topics at the interface between manufacturing, mechanical and chemical engineering. It gives a special emphasis to CAD/CAE systems, information management systems, advanced numerical simulation methods and computational modeling techniques, and their use in product design, industrial process optimization and in

the study of the properties of solids, structures and fluids. Control theory, ICT for engineering education as well as ecological design and food technologies are also among the topics discussed in the book. Based on the International Conference on Design, Simulation, Manufacturing: The Innovation Exchange (DSMIE-2018), held on June 12-15, 2018, in Sumy, Ukraine, the book provides academics and professionals with a timely overview and extensive information on trends and technologies behind current and future developments of Industry 4.0, innovative design and renewable energy generation.

---