

1. Record Nr.	UNINA9910484943103321
Titolo	Advances in Design, Simulation and Manufacturing IV : Proceedings of the 4th International Conference on Design, Simulation, Manufacturing: The Innovation Exchange, DSMIE-2021, June 8–11, 2021, Lviv, Ukraine – Volume 2: Mechanical and Chemical Engineering / / edited by Vitalii Ivanov, Ivan Pavlenko, Oleksandr Liaposhchenko, José Machado, Milan Edl
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-77823-1
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XIX, 413 p.) : 194 illus., 123 illus. in color
Collana	Lecture Notes in Mechanical Engineering, , 2195-4364
Disciplina	670.42
Soggetti	Mechanics, Applied Solids Production engineering Materials Thermodynamics Heat engineering Heat - Transmission Mass transfer Solid Mechanics Process Engineering Materials Engineering Engineering Thermodynamics, Heat and Mass Transfer
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book reports on topics at the interface between mechanical and chemical engineering, emphasizing design, simulation, and manufacturing. Specifically, it covers recent developments in the mechanics of solids and structures, numerical simulation of coupled problems, including fatigue, fluid behavior, particle movement,

pressure distribution. Further, it reports on developments in chemical process technology, heat and mass transfer, energy-efficient technologies, and industrial ecology. Based on the 4th International Conference on Design, Simulation, Manufacturing: The Innovation Exchange (DSMIE-2021), held on June 8-11, 2021, in Lviv, Ukraine, this second volume of a 2-volume set provides academics and professionals with extensive information on trends, technologies, challenges and practice-oriented experience in the above-mentioned areas.
