

1. Record Nr.	UNINA9910552093403321
Autore	Prandi, Michele
Titolo	Le metafore tra le figure: una mappa ragionata / Michele Prandi
Pubbl/distr/stampa	Novara, : UTET, Università, 2021
ISBN	978-88-6008-662-4
Descrizione fisica	XV, 284 p., [1] p. di tav. : ill. ; 24 cm
Disciplina	801.4
Locazione	FLFBC
Collocazione	801.4 PRA 1
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910483442003321
Autore	Iordache Octavian
Titolo	Polytopic roadmaps / / Octavian Iordache
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-75630-0
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XXI, 201 p. 158 illus.)
Collana	Studies in Systems, Decision and Control, , 2198-4182 ; ; 368
Disciplina	003.857
Soggetti	Complexity Stochastic analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Beyond 4.0 -- Stages -- Operations -- Equipments -- Technologies.
Sommario/riassunto	This book is useful to engineers, researchers, entrepreneurs, and students in different branches of production, engineering, and systems

sciences. The polytopic roadmaps are the guidelines inspired by the development stages of cognitive-intelligent systems, and expected to become powerful instruments releasing an abundance of new capabilities and structures for complex engineering systems implementation. The 4D approach developed in previous monographs and correlated with industry 4.0 and Fourth Industrial Revolution is continued here toward higher dimensions approaches correlated with polytopic operations, equipment, technologies, industries, and societies. Methodology emphasizes the role of doubling, iteration, dimensionality, and cyclical around the center, of periodic tables and of conservative and exploratory strategies. Partitions, permutations, classifications, and complexification, as polytopic chemistry, are the elementary operations analyzed. Multi-scale transfer, cyclic operations, conveyors, and assembly lines are the practical examples of operations and equipment. Polytopic flow sheets, online analytical processing, polytopic engineering designs, and reality-inspired engineering are presented. Innovative concepts such as Industry 5.0, polytopic industry, Society 5.0, polytopic society, cyber physical social systems, industrial Internet, and digital twins have been discussed. The general polytopic roadmaps, (GPTR), are proposed as universal guidelines and as common methodologies to synthesize the systemic thinking and capabilities for growing complexity projects implementation. .

---