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Titolo	Applied Systems Theory / / by Rob Dekkers
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ISBN	3-319-10846-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (278 p.)
Disciplina	003.3
Soggetti	Industrial engineering Production engineering Production management Mathematical models Industrial design Operations research Decision making Industrial and Production Engineering Operations Management Mathematical Modeling and Industrial Mathematics Industrial Design Operations Research/Decision Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Basic Concepts -- System Approaches -- Processes -- Control of Processes -- Steady-State Model -- Autopoietic Systems -- Complex Adaptive Systems -- Organisations and Breakthrough -- Applications of System Theories.
Sommario/riassunto	Offering an up-to-date account of systems theories and its applications, this book provides a different way of resolving problems and addressing challenges in a swift and practical way, without losing overview and not having a grip on the details. From this perspective, it offers a different way of thinking in order to incorporate different perspectives and to consider multiple aspects of any given problem. Drawing examples from a wide range of disciplines, it also presents

worked cases to illustrate the principles. The multidisciplinary perspective and the formal approach to modelling of systems and processes of ‘Applied Systems Theory’ makes it suitable for managers, engineers, students, researchers, academics and professionals from a wide range of disciplines; they can use this ‘toolbox’ for describing, analysing and designing biological, engineering and organisational systems as well as getting a better understanding of societal problems.