

1. Record Nr.	UNINA9910745193303321
Titolo	Ravenna capitale : disciplina degli atti negoziali inter vivos nelle fonti di IV - VII secolo, in Occidente
Pubbl/distr/stampa	Santarcangelo di Romagna, : Maggioli, 2019
ISBN	978-88-916-3873-1
Descrizione fisica	IX, 187 p. ; 24 cm
Collana	Ravenna capitale
Disciplina	346.02
Locazione	FGBC
Collocazione	VIII F 1189
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Atti del Convegno tenuto a Ravenna nel 2018

2. Record Nr.	UNINA9910861085203321
Autore	Zheng Maosheng
Titolo	Robust Design and Assessment of Product and Production by Means of Probabilistic Multi-objective Optimization / / by Maosheng Zheng, Jie Yu
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	981-9726-61-1
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (127 pages)
Disciplina	620.0042
Soggetti	Mathematical optimization Industrial engineering Production engineering Probabilities Optimization Industrial and Production Engineering Applied Probability
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Intrinsic Essence of Robust Design -- Relevant Contents of System Theory and Probability Theory -- Concise Description of Probabilistic Multi-objective Optimization from Viewpoint of System Theory -- Robust Design of a Single Objective as Dual Sub-objectives Optimization -- Robust Design and Assessment of Product and Production with Multiple Objectives -- Robust Design with Sequential Uniform Algorithm for Optimization by Means of PMOO -- Robust Design and Assessment of Product and Production with Fuzzy Number -- Concluding Remarks.
Sommario/riassunto	This book develops robust design and assessment of product and production from viewpoint of system theory, which is quantized with the introduction of brand new concept of preferable probability and its assessment. It aims to provide a new idea and novel way to robust design and assessment of product and production and relevant problems. Robust design and assessment of product and production is attractive to both customer and producer since the stability and

insensitivity of a product's quality to uncontrollable factors reflect its value. Taguchi method has been used to conduct robust design and assessment of product and production for half a century, but its rationality is criticized by statisticians due to its casting of both mean value of a response and its dispersion into one index, which doesn't characterize the issue of simultaneous robust design of above two independent responses sufficiently, so an appropriate approach is needed. The preference or role of a response in the evaluation is indicated by using preferable probability as the unique index. Thus, the rational approach for robust design and assessment of product and production is formulated by means of probabilistic multi-objective optimization, which reveals the simultaneous robust designs of both mean value of a response and its dispersion in manner of joint probability. Besides, defuzzification and fuzzification measurements are involved as preliminary approaches for robust assessment, the latter provides miraculous treatment for the 'target the best' case flexibly.

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