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	Collana	Engineering Optimization: Methods and Applications, , 2731-4057
	Altri autori (Persone)	DeepKusum
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	Nota di contenuto	Chapter 1:Mathematical Foundations and analysis of nature.-Chapter 2: inspired algorithms -- Chapter 3:Application of Grey Wolf Algorithm in portfolio optimization -- Chapter 4:Prediction using Nature-inspired algorithms -- Chapter 5:Fault diagnosis using nature.-Chapter 5: inspired algorithms -- Chapter 6:Early Detection of Alzheimer's disease using nature-inspired algorithms.-Chapter 7: A Framework for Self-Tuning Algorithms -- Chapter 8:Dealing With Constraints for solving real-life problems -- Chapter 9:Multi-objective optimization problems using stochastic algorithms.-Chapter 10: Data Mining and Deep Learning using nature-inspired algorithms.
	Sommario/riassunto	The book includes nature-inspired optimization techniques and their applications. It offers recent trends in the field of nature-inspired algorithms for solving real-life problems in various fields related to manufacturing, artificial intelligence, finance, etc. Nature-inspired optimization techniques are not only useful but also needed for solving open-ended problems. Understanding nature-inspired techniques and their importance for solving real-life problems can open many directions for researchers and academicians. This book will be helpful in acquiring knowledge of nature-inspired optimization techniques in