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Descrizione fisica	1 online resource (652 pages) : illustrations, tables, graphs
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	part 1. Theory and applications in engineering systems -- part 2. Theory and applications of single objective optimization studies -- part 3. Theory and applications of single and multiobjective optimization studies.
Sommario/riassunto	Edited by professionals with years of experience, this book provides an introduction to the theory of evolutionary algorithms and single- and multi-objective optimization, and then goes on to discuss to explore applications of evolutionary algorithms for many uses with real-world applications. Covering both the theory and applications of evolutionary computation, the book offers exhaustive coverage of several topics on nontraditional evolutionary techniques, details working principles of new and popular evolutionary algorithms, and discusses case studies on both scientific and real-world applications of optimization