

1. Record Nr.	UNINA9910544272303321
Autore	Hopgood Adrian A.
Titolo	Intelligent systems for engineers and scientists // Adrian A. Hopgood
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , 2012
ISBN	1-4665-1617-8 0-429-06410-1 1-280-12252-8 9786613526380 1-4398-6596-5
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (931 p.)
Disciplina	006.3302462 620.00420285
Soggetti	Expert systems (Computer science) Computer-aided engineering Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"An Auerbach book."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cover; Title Page; Copyright; Dedication; Contents; Preface; The Author; Chapter 1 Introduction; Chapter 2 Rule-Based Systems; Chapter 3 Handling Uncertainty: Probability and Fuzzy Logic; Chapter 4 Agents, Objects, and Frames; Chapter 5 Symbolic Learning; Chapter 6 Single-Candidate Optimization Algorithms; Chapter 7 Genetic Algorithms for Optimization; Chapter 8 Neural Networks; Chapter 9 Hybrid Systems; Chapter 10 Artificial Intelligence Programming Languages; Chapter 11 Systems for Interpretation and Diagnosis; Chapter 12 Systems for Design and Selection; Chapter 13 Systems for Planning Chapter 14 Systems for ControlChapter 15 The Future of Intelligent Systems; References; Index
Sommario/riassunto	The third edition of this bestseller examines the principles of artificial intelligence and their application to engineering and science, as well as techniques for developing intelligent systems to solve practical problems. Covering the full spectrum of intelligent systems techniques, it incorporates knowledge-based systems, computational intelligence,

and their hybrids. Using clear and concise language, *Intelligent Systems for Engineers and Scientists, Third Edition* features updates and improvements throughout all chapters. It includes expanded and separated chapter
