

1. Record Nr.	UNINA9910458130703321
Titolo	Perspectives on adaptation in natural and artificial systems [[electronic resource] /] / editors, Lashon Booker ... [et al.]
Pubbl/distr/stampa	Oxford, [England] ; ; New York, : Oxford University Press, 2005
ISBN	0-19-756211-6 1-280-70433-0 0-19-803686-8
Descrizione fisica	1 online resource (325 p.)
Collana	Santa Fe Institute studies in the sciences of complexity
Altri autori (Persone)	BookerLashon
Disciplina	629.8/36
Soggetti	Adaptive control systems - Mathematical models Artificial intelligence Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previously issued in print: 2005.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Introduction: Adaptation, Evolution, and Intelligence; PART 1: GENETIC ALGORITHMS AND BEYOND; Chapter 1: Genetic Algorithms: A 30-Year Perspective; Chapter 2: Human-Competitive Machine Intelligence by Means of Genetic Algorithms; Chapter 3: John H. Holland, Facetwise Models, and Economy of Thought; PART 2: COMPUTATION, ARTIFICIAL INTELLIGENCE, AND BEYOND; Chapter 4: An Early Graduate Program in Computers and Communications; Chapter 5: Had We But World Enough and Time...; Chapter 6: Discrete Event Abstraction: An Emerging Paradigm for Modeling Complex Adaptive Systems Chapter 7: Good Old-Fashioned AI and Genetic Algorithms: An Exercise in Translation Scholarship Chapter 8: Moore's Law, Artificial Evolution, and the Fate of Humanity; PART 3: THE NATURAL WORLD AND BEYOND; Chapter 9: Evolution of Complexity in Microbial Populations; Chapter 10: Favored Places in the Selfish Herd: Trading Off Food and Security; Chapter 11: Tags, Interaction Patterns, and the Evolution of Cooperation; Chapter 12: The Impact of Environmental Dynamics on Cultural Emergence; Chapter 13: John Holland and the Evolution of Economics; Chapter 14: Cognition: The Black Box of Economics

IndexA; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W; Z

Sommario/riassunto

John Holland is known as 'the father of genetic algorithms', a pioneer exploring 'emergence' & a leading figure in the sciences of complexity. This volume offers 17 scholarly papers that set out to evaluate Holland's work, drawing from a variety of disciplines, ranging from economics to cognitive science.
