1. Record Nr. UNINA990001611090403321

Autore	Finch, V.C.
Titolo	Geography of the worlds's agriculture / V.C. Finch, O.E. Baker
Pubbl/distr/stampa	Washington : Government Printing Office, 1917
Descrizione fisica	147 p. ; 25 cm
Altri autori (Persone)	Baker, Oliver Edwin
Disciplina	330.9
Locazione	FAGBC
Collocazione	60 330.9 B 82
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910438043203321

Titolo	Computing nature : Turing centenary perspective / / Gordana Dodig-Crnkovic and Raffaela Giovagnoli (eds.)
Pubbl/distr/stampa	Berlin ; ; Heidelberg, : Springer, c2013
ISBN	3-642-37225-2
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (vi, 269 pages) : illustrations (some color)
Collana	Studies in applied philosophy, epistemology and rational ethics, , 2192-6255 ; ; 7
Classificazione	004 ST 300
Altri autori (Persone)	Dodig CrnkovicGordana <1955-> GiovagnoliRaffaela
Disciplina	577.5609
Soggetti	Natural computation Electronic data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes author index.
Nota di bibliografia	Includes bibliographical references and index.

Nota di contenuto	From the Contents: Computing Nature – A Network of Networks of Concurrent Information Processes -- A Framework for Computing Like Nature -- The Coordination of Probabilistic Inference in Neural Systems.-Neurobiological Computation and Synthetic Intelligence.-Nature-like Computation and a Measure of Programmability -- Alan Turing's Legacy: Info-Computational Philosophy of Nature -- Dualism of Selective and Structural Information in Modelling Dynamics of Information -- Intelligence And Reference. Formal Ontology Of The Natural Computation -- Representation: Analytic Pragmatism and AI -- Salient Features and Key Frames: An Interdisciplinary Perspective on Object Representation.
Sommario/riassunto	This book is about nature considered as the totality of physical existence, the universe, and our present day attempts to understand it. If we see the universe as a network of networks of computational processes at many different levels of organization, what can we learn about physics, biology, cognition, social systems, and ecology expressed through interacting networks of elementary particles, atoms, molecules, cells, (and especially neurons when it comes to understanding of cognition and intelligence), organs, organisms and their ecologies? Regarding our computational models of natural phenomena Feynman famously wondered: "Why should it take an infinite amount of logic to figure out what one tiny piece of space/time is going to do?" Phenomena themselves occur so quickly and automatically in nature. Can we learn how to harness nature's computational power as we harness its energy and materials? This volume includes a selection of contributions from the Symposium on Natural Computing/Unconventional Computing and Its Philosophical Significance, organized during the AISB/IACAP World Congress 2012, held in Birmingham, UK, on July 2-6, on the occasion of the centenary of Alan Turing's birth. In this book, leading researchers investigated questions of computing nature by exploring various facets of computation as we find it in nature: relationships between different levels of computation, cognition with learning and intelligence, mathematical background, relationships to classical Turing computation and Turing's ideas about computing nature - unorganized machines and morphogenesis. It addresses questions of information, representation and computation, interaction as communication, concurrency and agent models; in short this book presents natural computing and unconventional computing as extension of the idea of computation as symbol manipulation.