1. Record Nr. UNISA996199740703316

Titolo	Unconventional Computation and Natural Computation [[electronic resource]] : 14th International Conference, UCNC 2015, Auckland, New Zealand, August 30 -- September 3, 2015, Proceedings / / edited by Cristian S. Calude, Michael J. Dinneen
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-21819-0
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (X, 301 p. 58 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 9252
Disciplina	006.3
Soggetti	Computer science Pattern recognition systems Artificial intelligence Theory of Computation Automated Pattern Recognition Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	The Unconventionality of Nature: Biology, from Noise to Functional Randomness -- Ultrametric Algorithms and Automata -- Realism and Texture: Benchmark Problems for Natural Computation -- Quantum Computing Meets the Real World -- BL: A Visual Computing Framework for Interactive Neural System. Models of Embodied Cognition and Face to Face Social Learning -- Computations with Grossone-based Infinities -- Exploring the Effect of Cell Heterogeneity in Wound Healing Using a 3D Multicellular Tissue Growth Model -- Regularized Linear and Nonlinear Autoregressive Models for Dengue Confirmed-Cases Prediction -- Asynchronous Spiking Neural P Systems with Structural Plasticity -- Expressive Power of Non-Deterministic Evolving Recurrent Neural Networks in Terms of their Attractor Dynamics -- Duplications and Pseudo-Duplications -- Going Beyond Turing with P Automata -- DiSCUS: A Simulation Platform for Conjugation Computing -- A Cost / Speed / Reliability Trade-Off to Erasing -- Replication of Arbitrary

Hole-free Shapes via Self-assembly with Signal-passing Tiles -- Efficient Card-based Protocols for Generating a Hidden Random Permutation without Fixed Points -- Simulation of the 2JLP Gene Assembly Process in Ciliates -- A Uniform Family of Tissue P Systems with Protein on Cells Solving 3-Coloring in Linear Time -- Asynchronous Dynamics of Boolean Automata Double-Cycles -- Non-cooperative Algorithms in Self-assembly -- Tangle Machines -- Formalisation vs Understanding; A Case Study in Isabelle.

Sommario/riassunto

This book constitutes the refereed proceedings of the 14th International Conference on Unconventional Computation and Natural Computation, UCNC 2015, held in Auckland, New Zealand, in August/September 2015. The 16 revised full papers were carefully reviewed and selected from 38 submissions. The papers cover a wide range of topics including among others molecular (DNA) computing; quantum computing; optical computing; chaos computing; physarum computing; computation in hyperbolic spaces; collision-based computing; cellular automata; neural computation; evolutionary computation; swarm intelligence; nature-inspired algorithms; artificial immune systems; artificial life; membrane computing; amorphous computing; computational systems biology; genetic networks; protein-protein networks; transport networks; synthetic biology; cellular (in vivo) computing; and computations beyond the Turing model and philosophical aspects of computing.

2.

Record Nr.	UNIORUON00184911
Autore	DOCKES, Pierre
Titolo	L'histoire ambiguë : croissance et développement en question / Pierre Dockès ; Bernard Rosier
Pubbl/distr/stampa	Paris, : Presse Univ. de France, 1988 - 335 p. ; 24 cm
ISBN	21-304-1832-5
Altri autori (Persone)	ROSIER, Bernard
Soggetti	Storiografia
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia