1. Record Nr. UNINA9910484834803321 Cellular automata: 9th International Conference on Cellular Automata **Titolo** for Research and Industry, ACRI 2010, Ascoli Piceno, Italy, September 21-24, 2010 : proceedings / / Stefania Bandini ... [et al.] (eds.) Berlin, : Springer, 2010 Pubbl/distr/stampa **ISBN** 1-280-38930-3 9786613567222 3-642-15979-6 [1st ed. 2010.] Edizione Descrizione fisica 1 online resource (XVI, 672 p. 332 illus.) Collana Lecture notes in computer science, , 0302-9743 ; ; 6350 LNCS sublibrary. SL 1, Theoretical computer science and general issues Altri autori (Persone) **BandiniStefania** Disciplina 005.0151135 Soggetti Cellular automata Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Theoretical Results on Cellular Automata -- Information Transfer among Coupled Random Boolean Networks -- Open Environment for 2d Lattice-Grain CA -- All-to-All Communication with CA Agents by Active Coloring and Acknowledging -- The Sandpile Model: Parallelization of Efficient Algorithms for Systems with Shared Memory -- Theory and Application of Equal Length Cycle Cellular Automata (ELCCA) for Enzyme Classification -- Cellular Automata Model for Size Segregation of Particles -- Convex Hulls on Cellular Automata --Square Kufic Pattern Formation by Asynchronous Cellular Automata --Modeling and Simulation with Cellular Automata -- Development and Calibration of a Preliminary Cellular Automata Model for Snow Avalanches -- Tracking Uncertainty in a Spatially Explicit Susceptible-Infected Epidemic Model -- A Proximal Space Approach for Embedding Urban Geography into CA Models -- Bone Remodelling: A Complex Automata-Based Model Running in BioShape -- CANv2: A Hybrid CA Model by Micro and Macro-dynamics Examples -- Simulation of Traffic Flow at a Signalised Intersection -- A Novel Method for Simulating Cancer Growth -- Towards Cellular Automata Football Models with

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