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Soggetti	Computer science Artificial intelligence Machine theory Computer science—Mathematics Numerical analysis Theory of Computation Artificial Intelligence Formal Languages and Automata Theory Mathematical Applications in Computer Science Numerical Analysis
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A Gauge-Invariant Reversible Cellular Automaton -- Counter Machines and Distributed Automata -- Boolean Networks: Beyond Generalized Asynchronicity -- Evaluating the Quality of Local Structure Approximation Using Elementary Rule 14 -- On Dynamical Complexity of Surjective Ultimately Right-Expansive Cellular Automata -- Sequentializing Cellular Automata -- Glider Automorphisms on Some Shifts of Finite Type and a Finitary Ryan's Theorem -- Hierarchies and Undecidability Results for Iterative Arrays with Sparse Communication -- Construction of Some Nonautomatic Sequences by Cellular Automata -- Any Shape can Ultimately Cross Information on Two-

Sommario/riassunto

This volume constitutes the thoroughly refereed proceedings of the 24th IFIP WG 1.5 International Workshop on Cellular Automata and Discrete Complex Systems, AUTOMATA 2018, held in Ghent, Belgium, in June 2018. The 10 regular papers presented in this book were carefully reviewed and selected from a total of 16 submissions. The papers highlight the major advances in the field and the development of new tools, support the development of theory and applications of CA and DCS and identify and study within an inter- and multidisciplinary context, the important fundamental aspects, concepts, notions and problems concerning CA and DCS. .