1. Record Nr. UNINA9910484658103321

Titolo	Descriptional Complexity of Formal Systems : 18th IFIP WG 1.2 International Conference, DCFS 2016, Bucharest, Romania, July 5-8, 2016. Proceedings / / edited by Cezar Câmpeanu, Florin Manea, Jeffrey Shallit
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-41114-4
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XVI, 217 p. 50 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 9777
Disciplina	004.0151
Soggetti	Machine theory Computer science Algorithms Computer science—Mathematics Discrete mathematics Formal Languages and Automata Theory Computer Science Logic and Foundations of Programming Theory of Computation Discrete Mathematics in Computer Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Completely Reachable Automata -- Words Avoiding Patterns, Enumeration Problems and the Chomsky Hierarchy -- Heapability, interactive particle systems, partial orders: results and open problems -- Self-Verifying Finite Automata and Descriptional Complexity -- On the State Complexity of Partial Derivative Automata for Regular Expressions with Intersection -- Unrestricted State Complexity of Binary Operations on Regular Languages -- On the State Complexity of the Shue of Regular Languages -- MSO-denable properties of Muller context-free languages are decidable -- Contextual Array Grammars with Matrix and Regular Control -- Descriptional Complexity of Graph-controlled Insertion-deletion Systems -- Operations on Weakly Recognizing Morphisms -- Descriptional Complexity of Bounded

	Regular Languages -- The Complexity of Languages Resulting from the Concatenation Operation -- Minimal and Reduced Reversible Automata.
Sommario/riassunto	his book constitutes the refereed proceedings of the 18th International Conference on Descriptional Complexity of Formal Systems, DCFS 2016, held in Bucharest, Romania, in July 2016. The 13 full papers presented together with 4 invited talks were carefully reviewed and selected from 21 submissions. Descriptional Complexity is a eld in Computer Science that deals with the size of all kind of objects that occur in computational models, such as Turing Machines, nte automata, grammars, splicing systems and others. The topics of this conference are related to all aspects of descriptional complexity. .