1. Record Nr.   UNINA990007484740403321

Titolo	Stadte und Stadtesysteme in Mittel - und Sudosteuropa : Tschechische Republik, Slowakei, Ungarn, Rumanien
Pubbl/distr/stampa	Leipzig : Inst. fur Landerkunde, 1996
ISBN	3-86082-020-6
Descrizione fisica	244 p. : ill. ; 30 cm
Collana	Beiträge zur Regionalen Geographie ; 39
Locazione	ILFGE
Collocazione	Period.003(039)
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.   UNINA9910488702403321

Autore	Zhang Gexiang
Titolo	Membrane Computing Models: Implementations / / by Gexiang Zhang, Mario J. Pérez-Jiménez, Agustín Riscos-Núñez, Sergey Verlan, Savas Konur, Thomas Hinze, Marian Gheorghe
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2021
ISBN	981-16-1566-7
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (291 pages)
Collana	Computer Science Series
Disciplina	006.38
Soggetti	Computer simulation
	Software engineering
	Computer systems
	Computer programming
	Compilers (Computer programs)
	Programming languages (Electronic computers)
	Computer Modelling
	Software Engineering
	Computer System Implementation
	Programming Techniques
	Compilers and Interpreters
	Programming Language

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1 Introduction -- Chapter 2 P systems Implementation on P-Lingua framework -- Chapter 3 Software implementation for P systems -- Chapter 4 Infobiotics Workbench - In Silico Software Suite for Computational Biology -- Chapter 5 Molecular Physics and Chemistry in Membranes: The Java Environment for Nature-inspired Approaches (JENA) -- Chapter 6 P systems Implementation on CUDA.-Chapter 7 P systems Implementation on FPGA -- Chapter 8 Hardware implementations and applications.
Sommario/riassunto	The theoretical basis of membrane computing was established in the early 2000s with fundamental research into the computational power, complexity aspects and relationships with other (un)conventional computing paradigms. Although this core theoretical research has continued to grow rapidly and vigorously, another area of investigation has since been added, focusing on the applications of this model in many areas, most prominently in systems and synthetic biology, engineering optimization, power system fault diagnosis and mobile robot controller design. The further development of these applications and their broad adoption by other researchers, as well as the expansion of the membrane computing modelling paradigm to other applications, call for a set of robust, efficient, reliable and easy-to-use tools supporting the most significant membrane computing models. This work provides comprehensive descriptions of such tools, making it a valuable resource for anyone interested in membrane computing models. .