1. Record Nr. UNINA9910483853203321

Titolo	Membrane computing : 6th international workshop, WMC 2005, Vienna, Austria, July 18-21, 2005 : revised selected and invited papers / / Rudolf Freund ... [et al.] (eds.)
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, c2006
ISBN	3-540-32340-6
Edizione	[1st ed. 2006.]
Descrizione fisica	1 online resource (X, 374 p.)
Collana	Lecture notes in computer science, , 0302-9743 ; ; 3850
Altri autori (Persone)	FreundRudolf
Disciplina	621.39/1
Soggetti	Molecular computers
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	Invited Lectures -- Computational Power of Symport/Antiport: History, Advances, and Open Problems -- Structural Operational Semantics of P Systems -- Some Recent Results Concerning Deterministic P Systems -- Membrane Algorithms -- On Evolutionary Lineages of Membrane Systems -- Regular Presentations -- Number of Protons/Bi-stable Catalysts and Membranes in P Systems. Time-Freeness -- Symbol/Membrane Complexity of P Systems with Symport/Antiport Rules -- On P Systems as a Modelling Tool for Biological Systems -- Encoding-Decoding Transitional Systems for Classes of P Systems -- On the Computational Power of the Mate/Bud/Drip Brane Calculus: Interleaving vs. Maximal Parallelism -- A Membrane Computing System Mapped on an Asynchronous, Distributed Computational Environment -- P Systems with Memory -- Algebraic and Coalgebraic Aspects of Membrane Computing -- P Systems and the Modeling of Biochemical Oscillations -- P Systems, Petri Nets, and Program Machines -- On the Power of Dissolution in P Systems with Active Membranes -- A Linear Solution for QSAT with Membrane Creation -- On Symport/Antiport P Systems and Semilinear Sets -- Boolean Circuits and a DNA Algorithm in Membrane Computing -- Towards a Petri Net Semantics for Membrane Systems -- Quantum Sequential P Systems with Unit Rules and Energy Assigned to Membranes -- Editing Distances Between Membrane Structures -- Relational Membrane Systems -- On the Rule Complexity of Universal Tissue P Systems -- Non-cooperative P

Systems with Priorities Characterize PsET0L.

2. Record Nr. UNINA9911019969203321

Titolo	Ultra-wideband wireless communications and networks / / edited by Xuemin (Sherman) Shen ... [et al.]
Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : Wiley, c2006
ISBN	9786610739547 9781280739545 1280739541 9780470028520 0470028521 9780470028513 0470028513
Descrizione fisica	1 online resource (325 p.)
Altri autori (Persone)	ShenX <1958-> (Xuemin)
Disciplina	621.384
Soggetti	Broadband communication systems Wireless communication systems Ultra-wideband devices
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction / Robert Caiming Qiu, Xuemin (Sherman) Shen, Mohsen Guizani, Tho Le-Ngoc -- Modulation and signal detection in UWB / Uzoma A. Onunkwo, Ye (Geoffrey) Li -- UWB pulse propagation and detection / Robert Caiming Qiu -- Timing synchrononization for UWB impulse radios / Zhi Tian, Georgios B. Giannakis -- Error performance of pulsed ultra-wideband systems in indooor environments / Huaping Liu -- Mixed-signal ultra-wideband communications receivers / Sebastian Hoyos, Brian M. Sadler -- Trends in ultra wideband transceiver design / Zhengyuan Xu -- UWB MAC and ad hoc networks / Zihua Guo, Richard Yao -- Radio resource management for ultra-wideband communications / Xuemin (Sherman) Shen, Weihua Zhuang, Hai Jiang, Jun Cai -- Pulsed UWB interference to narrowband receivers / Jay E. Padgett -- Digital-carrier spreading codes for baseband UWB

multiaccess / Liuquing Yang, Geogios B. Giannakis -- Localization / Kegen Yu, Harri Saarnisaari, Jean-Philippe Montillet, Alberto Rabbachin, Ian Oppermann, Giuseppe Thadeu Freitas de Abreu.

Sommario/riassunto

Learn about Ultra-wideband (UWB) transmission - the most talked about application in wireless communications. UWB wireless communication is a revolutionary technology for transmitting large amounts of digital data over a wide spectrum of frequency bands with very low power for a short distance. This exciting new text covers the fundamental aspects of UWB wireless communications systems for short-range communications. It also focuses on more advanced information about networks and applications. Chapters include: Radio Propagation and Large Scale Variations, Pulse Propagation and Channel Model