

1. Record Nr.	UNISA996466021103316
Titolo	Principles of Distributed Systems [[electronic resource]] : 14th International Conference, OPODIS 2010, Tozeur, Tunisia, December 14-17, 2010. Proceedings / / edited by Chenyang Lu, Toshimitsu Masuzawa, Mohamed Mosbah
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010
ISBN	1-280-39077-8 9786613568694 3-642-17653-4
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (XII, 517 p. 112 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 6490
Disciplina	004.6
Soggetti	Computer networks Algorithms Computer science—Mathematics Discrete mathematics Software engineering Artificial intelligence Computer Communication Networks Discrete Mathematics in Computer Science Software Engineering Artificial Intelligence Symbolic and Algebraic Manipulation
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	Robots -- Pattern Formation through Optimum Matching by Oblivious CORDA Robots -- RoboCast: Asynchronous Communication in Robot Networks -- Randomization in Distributed Algorithms -- Biased Selection for Building Small-World Networks -- Application of Random Walks to Decentralized Recommender Systems -- Uniform and Ergodic Sampling in Unstructured Peer-to-Peer Systems with Malicious Nodes -- Brief Announcements I -- Self-stabilizing (k,r)-Clustering in Wireless

Ad-hoc Networks with Multiple Paths -- Self-stabilizing Byzantine Asynchronous Unison, -- Graph Algorithms -- Reliably Detecting Connectivity Using Local Graph Traits -- Distributed Game-Theoretic Vertex Coloring -- Constructing a Map of an Anonymous Graph: Applications of Universal Sequences -- Brief Announcements II -- Effect of Fairness in Model Checking of Self-stabilizing Programs -- A Formal Framework for Conformance Testing of Distributed Real-Time Systems -- Fault-Tolerance -- Signature-Free Broadcast-Based Intrusion Tolerance: Never Decide a Byzantine Value -- A Fault Avoidance Strategy Improving the Reliability of the EGI Production Grid Infrastructure -- Failure Detectors Encapsulate Fairness -- -Based k-Set Agreement Algorithms -- Distributed Programming -- Distributed Programming with Tasks -- SkewCCC+: A Heterogeneous Distributed Hash Table -- On the Automated Implementation of Time-Based Paxos Using the IOA Compiler -- Real-Time -- Partitioning Real-Time Systems on Multiprocessors with Shared Resources -- On Best-Effort Utility Accrual Real-Time Scheduling on Multiprocessors -- Tardiness Bounds for Global EDF with Deadlines Different from Periods -- Shared Memory -- Cache-Aware Lock-Free Queues for Multiple Producers/Consumers and Weak Memory Consistency -- An Adaptive Technique for Constructing Robust and High-Throughput Shared Objects -- Efficient Lock Free Privatization -- A Competitive Analysis for Balanced Transactional Memory Workloads -- Concurrency -- Fast Local-Spin Abortable Mutual Exclusion with Bounded Space -- Turning Adversaries into Friends: Simplified, Made Constructive, and Extended -- Quasi-Linearizability: Relaxed Consistency for Improved Concurrency -- A Token-Based Distributed Algorithm for the Generalized Resource Allocation Problem -- On the Message Complexity of Global Computations -- Optimizing Regenerator Cost in Traffic Grooming -- On Minimizing Average End-to-End Delay in P2P Live Streaming Systems -- Monotonic Stabilization -- Upper and Lower Bounds of Space Complexity of Self-Stabilizing Leader Election in Mediated Population Protocol -- Improving Space Complexity of Self-stabilizing Counting on Mobile Sensor Networks.

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#### Sommario/riassunto

The 14th International Conference on Principles of Distributed Systems (OPODIS 2010) took place during December 14–17, 2010 in Tozeur, Tunisia. It continued a tradition of successful conferences; Chantilly (1997), Amiens (1998), Hanoi (1999), Paris (2000), Mexico (2001), Reims (2002), La Martinique (2003), Gre- ble (2004), Pisa (2005), Bordeaux (2006), Guadeloupe (2007), Luxor (2008) and N°mes (2009). The OPODIS conference constitutes an open forum for the exchange of state-of-the-art knowledge on distributed computing and systems among researchers from around the world. Following the tradition of the previous events, the program was composed of high-quality contributed papers. The program call for papers looked for original and significant research contributions to the theory, specification, design and implementation of distributed systems, including: – Communication and synchronization protocols – Distributed algorithms, multiprocessor algorithms – Distributed cooperative computing – Embedded systems – Fault-tolerance, reliability, availability – Grid and cluster computing – Location- and context-aware systems – Mobile agents and autonomous robots – Mobile computing and networks – Peer-to-peer systems, overlay networks – Complexity and lower bounds – Performance analysis of distributed systems – Real-time systems – Security issues in distributed computing and systems – Sensor networks: theory and practice – Specification and verification of distributed systems – Testing and experimentation with distributed systems In response to this call for papers, 122 papers were submitted.

Each paper was reviewed by at least three reviewers, and judged according to scientific and presentation quality, originality and relevance to the conference topics.

2. Record Nr.

**Titolo**

UNINA9910830705703321

Biosensing using nanomaterials [[electronic resource] /] / edited by Arben Merkoci

**Pubbl/distr/stampa**

Hoboken, N.J., : Wiley, c2009

**ISBN**

1-282-13729-8  
9786612137297  
0-470-44773-7  
0-470-44772-9

**Descrizione fisica**

1 online resource (523 p.)

**Collana**

Wiley series in nanoscience and nanotechnology

**Altri autori (Persone)**

MerkociA (Arben)

**Disciplina**

610.28/4  
610.284  
620.5

**Soggetti**

Biosensors  
Nanostructured materials

**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**

pt. 1. Carbon nanotubes -- pt. 2. Nanoparticles -- pt. 3. Nanostructured surfaces -- pt. 4. Nanopores

**Sommario/riassunto**

An interdisciplinary approach to one of the hottest topics in nanotechnology and nanoscience Biosensing Using Nanomaterials introduces novel concepts in the area of bioanalysis based on nanomaterials, opening new opportunities for basic research and new tools for real bioanalytical applications. In fifteen chapters, readers are introduced to the most successful nanomaterials used so far in biosensing, including carbon nanotubes, nanoparticles, and nanochannels. Each chapter provides a theoretical overview of the topic, a discussion of the published data relating to the bioanalytical system

3. Record Nr.	UNINA9910160275803321
Autore	Ferrie Chris
Titolo	Rocket science for babies / / Chris Ferrie
Pubbl/distr/stampa	2017
ISBN	9781492656401 1492656402
Edizione	[1st ed.]
Descrizione fisica	1 online resource
Collana	Baby University.
Classificazione	JNF013000JNF048000JNF051010
Disciplina	621.43/56
Soggetti	Astronautics Rocketry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Fans of Chris Ferrie's ABCs of Biology, ABCs of Space, and Quantum Physics for Babies will love this introduction to aerospace engineering for babies and toddlers! Help your future genius become the smartest baby in the room! It only takes a small spark to ignite a child's mind. Written by an expert, Rocket Science for Babies is a colorfully simple introduction to aerospace engineering. Babies (and grownups!) will learn about the basics of how lift and thrust make things fly. With a tongue-in-cheek approach that adults will love, this installment of the Baby University board book series is the perfect way to introduce basic concepts to even the youngest scientists. After all, it's never too early to become a rocket scientist! If you're looking for engineer board books, infant science books, or more Baby University board books to surprise your little one, look no further! Rocket Science for Babies offers fun early learning for your little scientist!