1. Record Nr.   UNINA9910372783803321

   Autore   Lorincz Josip

   Titolo   Green, Energy-Efficient and Sustainable Networks

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   ISBN   3-03928-039-2

   Descrizione fisica 1 online resource (382 p.)

   Soggetti   History of engineering and technology

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Sommario/riassunto The book Green, Energy-Efficient and Sustainable Networks provides insights and solutions for a range of problems in the field of obtaining greener, energy-efficient, and sustainable networks. The book contains the outcomes of the Special Issue on "Green, Energy-Efficient and Sustainable Networks" of the Sensors journal. Seventeen high-quality papers published in the Special Issue have been collected and reproduced in this book, demonstrating significant achievements in the field. Among the published papers, one paper is an editorial and one is a review, while the remaining 15 works are research articles. The published papers are self-contained peer-reviewed scientific works that are authored by more than 75 different contributors with both academic and industry backgrounds. The editorial paper gives an introduction to the problem of information and communication technology (ICT) energy consumption and greenhouse gas emissions, presenting the state of the art and future trends in terms of improving the energy-efficiency of wireless networks and data centers, as the major energy consumers in the ICT sector. In addition, the published articles aim to improve energy efficiency in the fields of software-defined networking, Internet of things, machine learning, authentication, energy harvesting, wireless relay systems, routing metrics, wireless sensor networks, device-to-device communications, heterogeneous wireless networks, and image sensing. The last paper is a review that gives a detailed overview of energy-efficiency

improvements and methods for the implementation of fifth-generation networks and beyond. This book can serve as a source of information in industrial, teaching, and/or research and development activities. The book is a valuable source of information, since it presents recent advances in different fields related to greening and improving the energy-efficiency and sustainability of those ICTs particularly addressed in this book

2.	Record Nr.	UNINA9910484110803321
	Titolo	Advances in Spatial and Temporal Databases : 9th International Symposium, SSTD 2005, Angra dos Reis, Brazil, August 22-24, 2005, Proceedings / / edited by Claudia Bauzer Medeiros, Max Egenhofer, Elisa Bertino
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
	Edizione	[1st ed. 2005.]
	Descrizione fisica	1 online resource (XIII, 433 p.)
	Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 3633
	Altri autori (Persone)	MedeirosClaudia Bauzer EgenhoferMax J BertinoElisa
	Disciplina	005.74
	Soggetti	Database management Earth sciences Information storage and retrieval systems Application software Artificial intelligence Business information services Database Management Earth Sciences Information Storage and Retrieval Computer and Information Systems Applications Artificial Intelligence IT in Business
	Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Query Optimization and Simulation -- Selectivity Estimation of High Dimensional Window Queries via Clustering -- Spatio-temporal Histograms -- GAMMA: A Framework for Moving Object Simulation -- Advanced Query Processing I -- Medoid Queries in Large Spatial Databases -- The Islands Approach to Nearest Neighbor Querying in Spatial Networks -- Estimating the Overlapping Area of Polygon Join -- Spatial/Temporal Data Streams -- Density Estimation for Spatial Data Streams -- Change Detection in Time Series Data Using Wavelet Footprints -- Evaluation of a Dynamic Tree Structure for Indexing Query Regions on Streaming Geospatial Data -- Advanced Query Processing II -- The Optimal-Location Query -- Constrained Shortest Path Computation -- Accurate and Efficient Similarity Search on 3D Objects Using Point Sampling, Redundancy, and Proportionality -- Indexing Schemes and Structures -- Spatio-textual Indexing for Geographical Search on the Web -- Evaluation of Top-k OLAP Queries Using Aggregate R–Trees -- PA-Tree: A Parametric Indexing Scheme for Spatio-temporal Trajectories -- Novel Applications and Real Systems -- On Trip Planning Queries in Spatial Databases -- Capacity Constrained Routing Algorithms for Evacuation Planning: A Summary of Results -- High Performance Multimodal Networks -- Moving Objects and Mobile Environments -- Nearest Neighbor Search on Moving Object Trajectories -- Opportunistic Data Dissemination in Mobile Peer-to-Peer Networks -- On Discovering Moving Clusters in Spatio-temporal Data -- Advanced Query Processing III -- Semantic Caching for Multiresolution Spatial Query Processing in Mobile Environments -- Probabilistic Spatial Queries on Existentially Uncertain Data -- Topological Predicates Between Vague Spatial Objects.
Sommario/riassunto	It is our great pleasure to introduce the papers of the proceedings of the 9th - ternational Symposium on Spatial and Temporal Databases – SSTD 2005. This year's symposium continues the tradition of being the premier forum for the presentation of research results and experience reports on leading edge issues of spatialandtemporaldatabasesystems, including data models,systems,appli- tions and theory. The mission of the symposium is to share innovative solutions that ful?ll the needs of novel applications and heterogeneous environments and identify new directions for future research and development. SSTD 2005 gives researchers and practitioners a unique opportunity to share their perspectives with others interested in the various aspects of database systems for managing spatial and temporal data and for supporting their applications. A total of 77 papers were submitted this year from several countries. After a thorough review process, the program committee accepted 24 papers covering a variety of topics, including indexing techniques and query processing, mobile environments and moving objects, and spatial and temporal data streams. We are very pleased with the variety of the symposium's topics, and we are proud of the resulting strong program.