

1. Record Nr.	UNISA996466037403316
Titolo	Mobile Data Management [[electronic resource]] : Second International Conference, MDM 2001 Hong Kong, China, January 8-10, 2001 Proceedings // edited by Kian-Lee Tan, Michael J. Franklin, John C.-S. Lui
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2001
ISBN	3-540-44498-X
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (XIV, 294 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1987
Disciplina	006.3
Soggetti	Computer communication systems Data structures (Computer science) Software engineering Special purpose computers Application software Computer Communication Networks Data Structures and Information Theory Software Engineering/Programming and Operating Systems Special Purpose and Application-Based Systems Software Engineering Information Systems Applications (incl. Internet)
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	Data Management Architectures -- Towards Sensor Database Systems -- An Architecture for the Effective Support of Adaptive Context-Aware Applications -- Event Engine for Adaptive Mobile Computing -- Content Delivery -- Adaptive Delivery of Multimedia Data in Heterogeneous and Mobile Environments -- Effects and Performance of Content Negotiation Based on CC/PP -- Design and Implementation of an Information Announcement Toolkit for Mobile Computers -- Data Broadcasting -- High Performance Data Broadcasting: A Comprehensive Systems' Perspective -- Optimized Scheduling on Broadcast Disks -- Optimistic Scheduling Algorithm for Mobile Transactions based on

Reordering -- Caching and Hoarding -- Bandwidth-Conserving Cache Validation Schemes in a Mobile Database System -- Quasi-consistency and Caching with Broadcast Disks -- A Map-Based Hoarding Mechanism for Location-Dependent Information -- Coping with Movement -- Hashing Moving Objects -- Storage and Retrieval of Moving Objects -- A Mobility Framework for Ad Hoc Wireless Networks -- Networks and Systems Issues -- Operating System and Algorithmic Techniques for Energy Scalable Wireless Sensor Networks -- Towards a Programmable Mobile IP -- Adaptive Call Admission Control in Wireless Multimedia Network -- Industrial Papers -- Soft Mobile Ad-Hoc Networking -- CC/PP for Content Negotiation and Contextualization -- Serving Spatial Location Information over the Internet -- On-Line Service Adaptation for Mobile and Fixed Terminal Devices -- Multicast Micro-mobility Management -- Posters -- Personal Workflow Management in Support of Pervasive Computing -- An Agent Based Architecture Using XML for Mobile Federated Database Systems -- Designing Electronic Forms in Web Applications: Integration of Form Components -- Increasing Concurrency of Transactions Using Delayed Certification in Mobile DBMSs -- Multi-resolution Web Document Browsing in a Distributed Agent Environment -- Dynamic Remote Update Adapting Wireless Network Connection States -- Performance Modeling of Layered-Data Delivery for Mobile Users through Broadcast/On-Demand Hybrid Communication -- Energy-Efficient Transaction Management for Real- Time Mobile Databases in Ad-hoc Network Environments.

Sommario/riassunto

Welcome to the Second International Conference on Mobile Data Management (MDM2001). The conference serves as a forum for the exchange of technical ideas and research results in the areas of mobility and database management. This year, we have a very exciting program for MDM2001. Many quality papers were submitted to the conference. All of the submitted papers were - viewed by at least three PC members. Due to the limitations of the program schedule as well as the desire to organize the conference using a single track format, we selected only 18 papers for full presentation at the conference. As a result many excellent papers could not be accepted. The papers chosen for presentation span a large range of topics, from n- work protocol issues up to the semantics of mobile applications. The common theme of all these papers is their recognition of the central role played by data management techniques in the development of the emerging world of mobile and wireless applications. We have loosely organized these papers into six areas: 1. DATA MANAGEMENT ARCHITECTURES, 2. CONTENT DELIVERY, 3. DATA BROADCASTING, 4. CACHING AND HOARDING, 5. COPING WITH MOVEMENT, 6. NETWORKS AND SYSTEMS ISSUES In addition to the research track, we have sought to broaden the scope of the conference with an industrial session as well as poster presentations. Overall, the program strikes a comfortable balance between applied and theoretically oriented papers.
