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Soggetti	Data structures (Computer science) Database management Information storage and retrieval Application software Multimedia information systems Data Structures and Information Theory Database Management Information Storage and Retrieval Information Systems Applications (incl. Internet) Multimedia Information Systems
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Nota di contenuto	Invited Talks -- An Advanced Processing Environment for Managing the Continuous and Semistructured Features of Multimedia Content -- Database Systems as Middleware - Events, Notifications, Messages -- Regular Papers -- Managing Schemata for Semistructured Databases Using Constraints -- Caching for Mobile Communication -- Efficient Cache Management Protocol Based on Data Locality in Mobile DBMSs -- Algorithms for Rewriting Aggregate Queries Using Views -- A New

High-Dimensional Index Structure Using a Cell-Based Filtering Technique -- Active System for Heterogeneous ODBMS Using Mobile Rule Codes -- 2-D Spatial Indexing Scheme in Optimal Time -- Mining around Association and Representative Rules -- A New Algorithm for Page Access Sequencing in Join Processing -- Data Organization Issues for Location-Dependent Queries in Mobile Computing -- Towards Intelligent Information Retrieval Engines: A Multi-agent Approach -- Design and Implementation of a Novel Approach to Keyword Searching in Relational Databases -- A Rule-Oriented Architecture to Incorporate Dissemination-Based Information Delivery into Information Integration Environments -- Hierarchical Materialisation of Method Results in Object-Oriented Views -- Finding Generalized Path Patterns for Web Log Data Mining -- Size Estimation of the Intersection Join between Two Line Segment Datasets -- Distributed Searching of k-Dimensional Data with Almost Constant Costs -- X2QL: An eXtensible XML Query Language Supporting User-Defined Foreign Functions -- Decision Committee Learning with Dynamic Integration of Classifiers -- Multiversion Linear Quadtree for Spatio-Temporal Data -- On the Analysis of On-Line Database Reorganization -- Short Papers -- Systematization of Approaches to Equality—Generating Constraints -- Efficient Region Query Processing by Optimal Page Ordering -- On Deploying and Executing Data-Intensive Code on SMart Autonomous Storage (SmAS) Disks -- An Efficient Storage Manager -- A Timeout-Based Mobile Transaction Commitment Protocol -- Flexible Integration of Optimistic and Pessimistic Concurrency Control in Mobile Environments -- An Analysis of Alternative Methods for Storing Semistructured Data in Relations -- Main-Memory Management in Temporal Object Database Systems -- Design Issues in Transaction-Time Temporal Object Database Systems -- Mobile Transaction Management in Mobisnap -- How to Manage Evolution in OODB?.

Sommario/riassunto

The East European Conference on Advances in Databases and Information Systems (ADBIS) is the successor of the annual International Workshops with the same title that during 1993-1996 were organized in Russia by the Moscow ACM SIGMOD Chapter. Initiated in St. Petersburg, Russia, in 1997, it continued in Poznan, Poland, in 1998 and in Maribor, Slovenia, in 1999. The ADBIS Conference became the premier database and information systems conference in Eastern Europe. It intended to increase interaction and collaboration between researchers from the East and the West, and to provide an internationally recognized tribune for the presentation of research results. The International Conference on Database Systems for Advanced Applications (DASFAA) was first held in Seoul, Korea, in 1989 to promote database research and development activities in Asian and Australasian countries. The Special Interest Group of Database Systems (SIGDBS) of the Information Processing Society of Japan (IPSJ) and the Special Interest Group of Database Systems (SIGDB) of Korea Information Science Society (KISS) had important roles in the organization of DASFAA. Since that time the DASFAA has been held every two years: Tokyo in 1991, Daejeon in 1993, Singapore in 1995, Melbourne in 1997, and Taiwan in 1999. The DASFAA became one of the most prestigious international conferences ever held in Asia or Australasia.
