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Soggetti	Data structures (Computer science) Computer science Database management Application software Information technology Business—Data processing Software engineering Data Structures and Information Theory Popular Computer Science Database Management Information Systems Applications (incl. Internet) IT in Business Software Engineering
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Keynote Speech -- BIO / COM: Mixing Water with Fire -- Panel -- Why Is It So Difficult to Introduce RE Research Results into Mainstream RE Practice? -- Web-Based Information Systems and Services -- Adaptive and Dynamic Service Composition in eFlow -- Towards Extensible Information Brokers Based on XML -- Advertising Database Capabilities for Information Sharing -- A Personal Assistant for Web Database Caching -- Extending a Conceptual Modelling Approach to Web

Application Design -- Efficient Distributed Workflow Management Based on Variable Server Assignments -- Workflow Models and Systems -- A Logical Framework for Exception Handling in ADOME Workflow Management System -- Controlled Flexibility in Workflow Management -- A Formal Model for Business Process Modeling and Design -- Patterns and Components -- Conceptual Patterns for Reuse in Information Systems Analysis -- Evaluating a Pattern Approach as an Aid for the Development of Organisational Knowledge: An Empirical Study -- Specifying Processes with Dynamic Life Cycles -- Enterprise Application Integration -- Design Principles for Application Integration -- CHAOS: An Active Security Mediation System -- Modeling and Composing Service-Based and Reference Process-Based Multi-enterprise Processes -- The Information Systems Development Process -- Gossip: An Awareness Engine for Increasing Product Awareness in Distributed Development Projects -- How Culture Might Impact on the Implementation of Enterprise Resource Planning Packages -- Capture and Dissemination of Experience about the Construction of Engineering Processes -- Reuse in Information Systems Engineering -- Practical Reuse Measurement in ERP Requirements Engineering -- Building Extensible Workflow Systems Using an Event-Based Infrastructure -- Defining Components in a MetaCASE Environment -- Information Systems Reengineering -- Tracing All Around -- A Framework for the Evolution of Temporal Conceptual Schemas of Information Systems -- Distance Measures for Information System Reengineering -- Modeling Languages -- StateLator - Behavioral Code Generation as an Instance of a Model Transformation -- An Overview of RoZ : A Tool for Integrating UML and Z Specifications -- On Structured Workflow Modelling -- Databases and Data Warehousing -- A Model for Data Warehouse Operational Processes -- Temporally Faithful Execution of Business Transactions -- Modelling and Optimisation Issues for Multidimensional Databases -- Investigations into Industrial Processes -- Managing the Software Process in the Middle of Rapid Growth: A Metrics Based Experiment Report from Nokia -- The Impacts of Electronic Commerce in the Automobile Industry: An Empirical Study in Western Australia.

Sommario/riassunto

CAiSE 2000 was the 12th in the series of International Conferences on Advanced Information Systems Engineering. In the year 2000 the conference returned to Stockholm where it was organized the very first time. Since that year, 1989, the CAiSE conferences have developed into an important forum for the presentation and exchange of research results and practical experiences within the field of Information Systems Engineering. The objective of the CAiSE conference series is to bring together researchers and practitioners in the field of information systems engineering to meet annually in order to discuss evolving research issues and applications in this field. The CAiSE conference series also aims to provide an opportunity for young scientists to establish relationships with senior scientists in their areas of interest. Stockholm is an important center of research and development for some of the leading IT and communications companies in Europe and indeed, in the world. In tune with this environment, a major theme of CAiSE 2000 was "information systems and services in a digitized world". This theme reflects the vast improvements in communication technology, including the increasing use of Internet and WWW, that has taken place over the last years, and that has led to better communication and easier information access in general. In addition, this development has initiated changes in the way organizations cooperate and trade.
