

SPATIAL DATABASES

TECHNOLOGIES, TECHNIQUES AND TRENDS



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Spatial Databases Technologies Techniques And Trends

Bertrand Dreyfus

Spatial Databases Technologies Techniques And Trends:

Spatial Databases Yannis Manolopoulos,Apostolos N. Papadopoulos,Michael Gr Vassilakopoulos,2005-01-01 Spatial Databases Technologies Techniques and Trends introduces the reader to the world of spatial databases and related subtopics The broad range of topics covered within the chapters includes spatial data modeling indexing of spatial and spatiotemporal objects data mining and knowledge discovery in spatial and spatiotemporal management issues and query processing for moving objects The reader will be able to get in touch with several important research issues the research community is dealing with today Covering fundamental aspects up to advanced material Spatial Databases Technologies Techniques and Trends appeals to a broad computer science audience Although perfect for specialists each chapter is self contained making it easy for non specialists to grasp the main issues involved

Emerging Trends, Techniques, and Applications in Geospatial Data Science Gaur, Loveleen,Garg, P.K.,2023-04-24 With the emergence of smart technology and automated systems in today s world big data is being incorporated into many applications Trends in data can be detected and objects can be tracked based on the real time data that is utilized in everyday life These connected sensor devices and objects will provide a large amount of data that is to be analyzed quickly as it can accelerate the transformation of smart technology The accuracy of prediction of artificial intelligence AI systems is drastically increasing by using machine learning and other probability and statistical approaches Big data and geospatial data help to solve complex issues and play a vital role in future applications Emerging Trends Techniques and Applications in Geospatial Data Science provides an overview of the basic concepts of data science related tools and technologies and algorithms for managing the relevant challenges in real time application domains The book covers a detailed description for readers with practical ideas using AI the internet of things IoT and machine learning to deal with the analysis modeling and predictions from big data Covering topics such as field spectra high resolution sensing imagery and spatiotemporal data engineering this premier reference source is an excellent resource for data scientists computer and IT professionals managers mathematicians and statisticians health professionals technology developers students and educators of higher education librarians researchers and academicians

Handbook of Research on Innovations in Database Technologies and Applications: Current and Future Trends Ferragine, Viviana

E.,Doorn, Jorge Horacio,Rivero, Laura C.,2009-02-28 This book provides a wide compendium of references to topics in the field of the databases systems and applications Provided by publisher

Handbook of Research on Computational Intelligence Applications in Bioinformatics Dash, Sujata,Subudhi, Bidyadhar,2016-06-20 Developments in the areas of biology and bioinformatics are continuously evolving and creating a plethora of data that needs to be analyzed and decrypted Since it can be difficult to decipher the multitudes of data within these areas new computational techniques and tools are being employed to assist researchers in their findings The Handbook of Research on Computational Intelligence Applications in Bioinformatics examines emergent research in handling real world problems through the application of various computation

technologies and techniques. Featuring theoretical concepts and best practices in the areas of computational intelligence artificial intelligence big data and bio inspired computing this publication is a critical reference source for graduate students professionals academics and researchers *Encyclopedia of Computer Science and Technology* Phillip A.

Laplante,2017-10-02 With breadth and depth of coverage the Encyclopedia of Computer Science and Technology Second Edition has a multi disciplinary scope drawing together comprehensive coverage of the inter related aspects of computer science and technology The topics covered in this encyclopedia include General and reference Hardware Computer systems organization Networks Software and its engineering Theory of computation Mathematics of computing Information systems Security and privacy Human centered computing Computing methodologies Applied computing Professional issues Leading figures in the history of computer science The encyclopedia is structured according to the ACM Computing Classification System CCS first published in 1988 but subsequently revised in 2012 This classification system is the most comprehensive and is considered the de facto ontological framework for the computing field The encyclopedia brings together the information and historical context that students practicing professionals researchers and academicians need to have a strong and solid foundation in all aspects of computer science and technology *Challenges of Information Technology*

Management in the 21st Century Information Resources Management Association. International Conference,2000 As the 21st century begins we are faced with opportunities and challenges of available technology as well as pressured to create strategic and tactical plans for future technology Worldwide IT professionals are sharing and trading concepts and ideas for effective IT management and this co operation is what leads to solid IT management practices This volume is a collection of papers that present IT management perspectives from professionals around the world The papers seek to offer new ideas refine old ones and pose interesting scenarios to help the reader develop company sensitive management strategies **Data**

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World ,1998 **Proceedings of the 1998 ACM SIGMOD International Conference on Management of Data** Laura Haas,Ashutosh Tiwary,1998 **Generation, Compilation, Evaluation, and Dissemination of Data for Science and**

Technology Bertrand Dreyfus,1975 *International Conference on Space Information Technology ,2005* **The Data Warehouse Challenge** Michael H. Brackett,1996-07-27 Information Technology Database Management the definitive source for understanding modern data architecture Other books have bits and pieces of architecture described but nowhere else is there a single source that has all the components of modern data architecture in one place in an organized and readable manner From the Foreword by William H Inmon The technology for compiling data has evolved to the point where most organizations now amass information faster than they can use it The bad news is that most of that data is disparate scattered across different databases and platforms The time has come to tame the data chaos and this invaluable resource shows you how Michael H Brackett schools you in a variety of techniques for creating a cohesive data structure that everyone in your organization can use Step by step he guides you through the entire process of planning building and programming a data warehouse tailored to your organization s needs You learn how to Prepare and evaluate existing data for a data warehouse Cross reference data so it s easy to find in all corporate locations Prepare data for client server systems Improve the consistency and quality of existing and future data Manage a data warehouse The Data Warehouse Challenge is an indispensable tool for database administrators and developers systems programmers and analysts and all those involved with helping their organizations rise to the challenge of taming data chaos **World Agricultural Economics and Rural Sociology Abstracts ,1999** Geographic Information Systems : A Guide to the Technology John C. Antenucci,1995-05-25
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