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Nota di contenuto	On International Chinese Education Index Ranking in A Global Perspective -- Multi-objective Social Network Detection - A Graph Database Supported NSGA-II Based Approach -- Full Research Papers A Top-Down Scheme for Coverage Centrality Queries on Road Networks -- Personalized Arrhythmia Detection based on Lightweight Autoencoder and Variational Autoencoder -- Efficient kNN Join over Dynamic High-dimensional Data -- Diverse Shortest Paths in Game Maps: A Comparative User Study and Experiments -- Predicting Taxi Hotspots in Dynamic Conditions using Graph Neural Network -- Analysing big brain signal data for advanced Brain Computer Interface system -- Hop-constrained s-t Simple Path Enumeration in Large Uncertain Graphs -- Improving Eco-Friendly Routing Considering

Detailed Mobility Profiles, Driving Behavior and Vehicle Type -- Real-time Detection and Visualization of Traffic Conditions by Mining Twitter Data -- FluMA: An Intelligent Platform for Influenza Monitoring and Analysis -- Enhancing system security by Intrusion Detection using Deep learning -- . . . 148 Lakshit Sama and Hua Wang Challenges in Electroencephalography Data Processing Using Machine Learning Approaches -- Database States Exhibiting Tree Projection Necessity -- Comparative Study of Transformer Models -- Removing Performance Bottleneck of Timestamp Allocation in Two-Phase Locking based Protocol -- Performance prediction of songs on online music platforms -- Artificial Intelligence -- Bloom Filters and Hashing -- Clustering and Classification -- Data Mining and Knowledge Discovery -- Feature Selection -- High-Dimensional and Temporal Data -- Information Retrieval -- Medical Technologies -- Neural Networks -- Query Processing and Optimization -- Recommender Systems -- Social Data Management -- Social Networks -- Spatial Data Processing and Management -- Stream and Sensor Data Management.

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### Sommario/riassunto

This book constitutes the refereed proceedings of the 33rd International Conference on Databases Theory and Applications, ADC 2022, held in Sydney, Australia, in September 2022. The conference is co-located with the 48th International Conference on Very Large Data Bases, VLDB 2022. The 9 full papers presented together with 8 short papers were carefully reviewed and selected from 36 submissions. ADC focuses on database systems, data-driven applications, and data analytics.

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