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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Spatio-temporal Characteristics of Land-cover Changes in China During 2000-2019 -- Analyzing Geospatial Key Factors and Predicting Bike Activity in Hamburg -- Evaluation and Pattern Optimization of Ecological Space of Chongqing with Remote Sensing Data -- Research on Calculation Model of National Fragile State Based on Climate Vulnerability -- Daily Rainfall Analysis in Indonesia using ARIMA, Neural Network and LSTM -- Development of A Geoinformation Monitoring Module for The Khankalsky Geothermal Deposit in The Chechen Republic -- Mapping Fences in Xilingol Grassland Using High Spatiotemporal Resolution Remote Sensing Data -- Comparative Study on Remote Sensing Image Classifier of Jiulong River Basin -- OSM-GAN: Using Generative Adversarial Networks for Detecting Change in High-Resolution Spatial Images -- Analysis of Urban Sprawl and Growth Pattern Using Geospatial Technologies in Megacity, Bangkok, Thailand -- WEB-GIS for Transportation System of Oran City -- Construction

Method of City-level Geographic Knowledge Graph Based on Geographic Entity -- Development of Remote Sensing Software Using a Boosted Tree Machine Learning Model Architecture for Professional and Citizen Science Applications -- Fast Construction of Vegetation Polygons Based on Object-oriented Method -- A/B Testing via Continuous Integration and Continuous Delivery -- An Automated Approach for Mapping between Software Requirements and Design Items: An Industrial Case from Turkey -- Code Comprehension for Read-Copy-Update Synchronization Contexts in C Code.

Sommario/riassunto

This book contains the proceedings of the 5th International Conference on Geoinformatics and Data Analysis (ICGDA 2022), held in January 21–23, Paris, France. Geoinformatics helps to support basic scientific inquiry as well as address the complex social and environmental challenges. It becomes very important technology to decision-makers across a wide range of disciplines such as computer science, information technology, software engineering, biogeography, geography, conservation, architecture, spatial analysis and reinforcement learning. The papers included in this proceeding share the latest research results and practical application examples on the methodologies and algorithms in the area of geoinformatics and data analysis, including software and information engineering, environmental geography and geographic information system, which makes the book a valuable reference for researchers, engineers and university students who are working in the field.
