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Titolo	Geo-Spatial Knowledge and Intelligence : 4th International Conference on Geo-Informatics in Resource Management and Sustainable Ecosystem, GRMSE 2016, Hong Kong, China, November 18-20, 2016, Revised Selected Papers, Part I / / edited by Hanning Yuan, Jing Geng, Fuling Bian
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Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 698
Disciplina	004
Soggetti	Information storage and retrieval systems Data mining Computers, Special purpose Electronic digital computers - Evaluation Computer simulation Physical geography Information Storage and Retrieval Data Mining and Knowledge Discovery Special Purpose and Application-Based Systems System Performance and Evaluation Computer Modelling Physical Geography
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Session 1: Smart City in Resource Management and Sustainable Ecosystem -- Study of Ecosystem Sensitivity Based on Grid GIS in Leishan County -- The Design and Implementation of Field Patrol Inspection System Based on GPS-tablet PC -- The Vehicle Route Modeling and Optimization Considering the Dynamic Demands and Traffic Information -- Developing a 3D Routing Instruction Engine for Indoor Environment -- Saliency Detection for High Dynamic Range

Images via Global and Local Cues -- Research on Vegetable Growth Monitoring Platform Based on Facility Agricultural IOT -- A Novel Framework for Analyzing Overlapping Community Evolution in Dynamic Social Networks -- Developing Mobile Software for Extenics Innovation -- Variable Weight Based Clustering Approach for Load Balancing in Wireless Sensor Networks -- MDP RP: Markov Decision Process Based Routing Protocol for Mobile WSNs -- Medical Insurance Data Mining Using SPAM Algorithms -- A Genetic-algorithm-based Optimized AODV Routing Protocol -- Performance Analysis of PaaS Cloud Resources Management Model. - Link Prediction based on Precision Optimization -- Face Feature Points Detection Based on Adaboost and AAM -- Stock Price Manipulation Detection Based on Machine Learning Technology: Evidence in China -- Study over Cerebellum Prediction Model during Hand Tracking -- Forecasting for the Risk of Transmission Line Galloping Trip-Based on BP Neural Network -- A Features Fusion Method for Sleep Stage Classification Using EEG and EMG -- Community Detection Algorithm with Membership Function -- Task Scheduling in Cloud Computing Based on Cross Entropy Method -- Bad Data Identification Based On Optimized Local Outlier Detection Algorithm -- A Novel Approach to Extracting Posts qualification from Internet -- Unclear Norm Minimization and Weighted Sparse Reconstruction Cost for Crowd Abnormal Detection -- Quality Measurement and Evaluation Technology Research of Power Grid Dispatching Automation System Software -- Identification of Certain Shrapnel's Air Resistance Coefficient in Plateau Environment Based on CK Method -- Image Semantic Segmentation Based on Fully Convolutional Neural Network and CRF -- Car-based Laser Scanning System of Ancient Architecture Visual Modeling -- Research on Fractal Characteristics of Road Network in Chengdu City -- WIFI-based Indoor Positioning System with Twice Clustering and Multi-user Topology Approximation Algorithm -- Surveillance Camera-based Monitoring of Plant Flowering Phenology -- Visual Analysis Research of Traffic Jam Based on Flow Data -- A Design of UAV Multi-Lens Camera System for 3D Reconstruction during Emergency Response -- Session 2: Spatial Data Acquisition through RS and GIS in Resource Management & Sustainable Ecosystem -- Winter Wheat Leaf Area Index (LAI) Inversion Combining with HJ-1/CCD1 and GF-1/WFV1 Data -- Assessment of Wavelet Base Based on Analytic Hierarchy Process in Remote Sensing Image De-noising -- Estimation of Fishing Vessel Numbers Close to the Terminator in the Pacific Northwest Using OLS/DMSP Data -- Similarities and Differences of Oceanic Primary Productivity Product Estimated by Three Models Based on MODIS for the open South China Sea -- Hydrological Feature Extraction of the Tarim Basin Based on DEM in ArcGIS Environment -- Extraction Method of Remote Sensing Alteration Anomaly Information based on Principal Component Analysis -- Geographical Situation Monitoring Applications Based on MiniSAR -- New Reduced-ReferenceStereo Image Quality Assessment Model for 3D Visual Communication -- New Tone-Mapped Image Quality Assessment Method Based on Color Space -- A Modified NCSR Algorithm for Image Denoising -- Aviator Hand Tracking based on Depth Images -- Reachability Problem in Temporal Graphs -- Research on Rapid Extraction Method of Building Boundary Based on LIDAR Point Cloud Data -- Absorption Band Spectrum Features Extraction for Minerals Recognition Based on Local Spectral Continuum Removal -- Analysis of Seasonal Variation of Surface Shortwave Broadband Albedo on Tibetan Plateau from MODIS Data -- A Novel Multiple Watermarking Algorithm Based on Correlation Detection for Vector Geographic Data -- A Spatial SQL based on SparkSQL -- Session3: Ecological and

Environmental Data Processing and Management -- A Comparison of Four Global Land Cover Maps on a Provincial Scale Based on China's 30 m GlobeLand30 -- Research Progress on Coupling Relationship between Carbon and Water of Ecosystem in Arid Area -- Karst rocky Desertification Dynamic Monitoring Analysis based on Remote Sensing for a Typical Mountain Area in Southeast of Yunnan Province -- Reservoir Earthquakes S-wave Splitting. -Study on Inversion Forecasting Model for 2011 Tohoku Tsunami -- Remote Sensing Dynamic Monitoring and driving force analysis of Grassland Desertification around the Qinghai Lake area -- Leaf Area Index Estimation of Winter Pepper Based on Canopy Spectral Data and Simulated Bands of Satellite -- Geoinformatics in Mapping of Fog-Affected Areas Over Northern India and Development of Ion Based Fog Dispersion Technique -- Ground Subsidence Monitoring in Cheng Du Plain Using DInSAR SBAS Algorithm -- GIS in Seismic Hazard Assessment of Shillong region, India -- Spatial-Temporal Analysis of Soil Erosion in Ninghua County Based on the RUSLE -- Characteristics and Environmental Significance and Physicochemical Properties of Karst Cave Water in Shuanghe Cave, Guizhou Province (in China) -- Regional Pollutant Dispersion Characteristics of Weather Systems -- Study on the Selection and Moving Model of the Poverty Alleviation and Resettlement in the Typical Karst Mountain Area -- Assessment of Flood Hazard Based on Underlying Surface Change by Using GIS and Analytic Hierarchy Process.

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#### Sommario/riassunto

The two volume proceedings of CCIS 698 and 699 constitutes revised selected papers from the 4th International Conference on Geo-Informatics in Resource Management and Sustainable Ecosystem, GRMSE 2016, held in Hong Kong, China, in November 2016. The total of 118 papers presented in these proceedings were carefully reviewed and selected from 311 submissions. The contributions were organized in topical sections named: smart city in resource management and sustainable ecosystem; spatial data acquisition through RS and GIS in resource management and sustainable ecosystem; ecological and environmental data processing and management; advanced geospatial model and analysis for understanding ecological and environmental processes; applications of geo-informatics in resource management and sustainable ecosystem.

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