

Contents

The Interoperable Building Model of the European Union	1
Gerhard Gröger and Lutz Plümer	
Reverse RTK Data Streaming for Low-Cost Landslide Monitoring . . .	19
Etim E. Eyo, Tajul A. Musa, Khairulnizam M. Idris and Yusuf D. Opaluwa	
An Alternative Technique for Landslide Inventory Modeling Based on Spatial Pattern Characterization	35
Omar F. Althuwaynee and Biswajeet Pradhan	
Development of a New D16 Algorithm for Single Flow Direction Model	49
Wan Muhd Hairi Wan Ab Karim and Mohamad Ghazali Hashim	
The Geocentric Datum of Malaysia: Preliminary Assessment and Implications	71
Noor Suryati Mohd Shariff, Tajul Ariffin Musa, Kamaludin Omar and Rusli Othman	
Spatial-Based Sustainability Assessment of Urban Neighbourhoods: A Case Study of Johor Bahru City Council, Malaysia.	85
Azman Ariffin, Haziq Kamal Mukhelas, Abd. Hamid Mar Iman, Ghazali Desa and Izran Sarrazin Mohammad	
The Dual Half-Arc Data Structure: Towards the Universal B-rep Data Structure.	103
François Anton, Pawel Boguslawski and Darka Mioc	
Earthquake Precursory Signals from Satellite Imagery and Seismography: A Review	119
Habibeh Valizadeh Alvan and Shattri Mansor	

Hybrid 3D Segmentation Technique for 3D City Models.	129
Khairul Hafiz Sharkawi and Alias Abdul Rahman	
A Javascript Decoder for CitySAC in 3D SDI Web Transaction	141
Siew Chengxi Bernad, Alias Abdul Rahman, Mohd Latif bin Zainal and Fuziah binti Abu Hanifah	
The Effects of Vegetation Growth on the Microclimate of Urban Area: A Case Study of Petaling District.	151
Siti Nor Afzan Buyadi, Wan Mohd Naim Wan Mohd and Alamah Misni	
Ushahidi and Sahana Eden Open-Source Platforms to Assist Disaster Relief: Geospatial Components and Capabilities	163
Khanh Ngo Duc, Tuong-Thuy Vu and Yifang Ban	
Combining Two Clustering Ideas for Typification of Ditches.	175
Jing Tian, Wen-Yu Yang and Li-Jun Chen	
Seasonal Sea Surface Circulation in the Northwest Region Off the Borneo Island Based on Nineteen Years Satellite Altimetry Data	189
Muhammad Faiz Pa'Suya, Kamaludin Mohd Omar, Benny N. Peter and Ami Hassan Md Din	
Improvement in Accuracy Through Self-Calibration for Panoramic Scanner	201
Mohd Azwan Abbas, Halim Setan, Zulkepli Majid, Albert K. Chong, Derek D. Lichti and Khairulnizam M. Idris	
Determination of Tidal Datum for Delineation of Littoral Zone for Marine Cadastre in Malaysia	219
Rasheila Rahibulsadri, Abdullah Hisam Omar, Ashraf Abdullah, Wan Muhammad Aizzat Wan Azhar, Hasan Jamil, Teng Chee Hua, Chan Keat Lim and Tan Ah Bah	
The Improved Conceptual Design of Web-based GIS Residential Property Marketing Information System	231
Siti Aekbal Salleh, Wan Mohd Naim Wan Mohd and Eran Sadek Said Md Sadek	

Geoinformation for Informed Decisions

Abdul Rahman, A.; Boguslawski, P.; Anton, F.; Said,
M.N.; Omar, K.M. (Eds.)

2014, XII, 242 p. 147 illus., 122 illus. in color.,

Hardcover

ISBN: 978-3-319-03643-4