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GIS Ostrava 2012: Surface models for geosciences

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Preface

Surface models are frequently used for many applications in geosciences. Models with different scales, various data sources, alternative construction approaches and representations are searched to best fit for the given purpose. The common focus is a model quality adequate to satisfy our needs and efficiency requirements. The controlled quality is essential to manage uncertainty in our processing and decision making. Extensive field studies and research have been conducted to address these issues. The aim of the conference is to present and discuss new methods, issues and challenges encountered in all parts of a complex process of gradual development and utilization of digital surface models. The process covers data capture, storage, model creation, validation, manipulation, visualization and utilization. Each phase requires adequate methods and contains issues which may substantially decrease the value of the model. Surface models play important roles in wide spectrum of domains. The proceedings contains results from latest research in the area of surface models for geosciences.

Papers selection

Number of registered papers: 83

Number of papers published in this proceedings: 24

Number of papers published in journal Transactions in GIS: 9

Countries from which come authors of the papers published in this proceedings:

Republic of Serbia, Czech Republic, Germany, Slovakia, Iran, Republic of Ireland, Sweden, Malaysia, United States of America, Turkey, Poland, Slovenia and Australia

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Content

A CONCEPTUAL HYDROGEOLOGICAL MODEL FOR THE OPEN PIT MINE “POLJE E” (KOLUBARA COAL BASIN, SERBIA) Dragoljub BAJIC and Dusan POLOMCIC	1
THE QUALITY OF THE BASE DEM AS A KEY FACTOR IN MODELING OF SLOPE AND SOLAR INSOLATION Jaroslav BURIAN, Jana SVOBODOVA and Vit VOZENILEK	13
FUZZY SURFACE MODELS BASED ON KRIGING OUTPUTS Jan CAHA , Pavel TUCEK , Alena VONDRAKOVA and Lenka PACLIKOVA	25
EVALUATING HEIGHT DIFFERENCES BETWEEN GLOBAL DIGITAL SURFACE MODELS AND ICESAT HEIGHTS AT FOOTPRINT GEOLOCATION Fabian ENSLE, Johannes HEINZEL and Barbara KOCH	37
ANALYSIS OF THE GEOMETRIC PROPERTIES OF DERIVED MULTIREOLUTION TIN TERRAIN MODELS WITH A VIEW TO MORPHOMETRIC ANALYSIS Richard FECISKANIN	49
QUALITY ASSESSMENT AND IMPROVEMENT OF ALS DATA ACQUIRED WITHIN THE PROJECT OF NEW HYPSONETRY GENERATION OF THE CZECH REPUBLIC Radek FIALA	65
URBAN GROWTH MODELING USING GENETIC ALGORITHMS AND CELLULAR AUTOMATA; A CASE STUDY OF ISFAHAN METROPOLITAN AREA, IRAN Ehsan FOROUTAN and Mahmoud Reza DELAVAR	73
OPTIMAL INTERPOLATION OF AIRBORNE LASER SCANNING DATA FOR FINE- SCALE DEM VALIDATION PURPOSES Michal GALLAY, Chris LLOYD and Jennifer MCKINLEY	85
DRAINAGE AREA ESTIMATION IN PRACTICE HOW TO TACKLE ARTEFACTS IN REAL WORLD DATA Abdulghani HASAN, Petter PILESJO and Andreas PERSSON	97
DEFORMATION MONITORING USING INSAR AND ARTIFICIAL REFLECTORS Ivana HLAVACOVA, Lena HALOUNOVA and Kvetoslava SVOBODOVA	115
ACCURACY ASSESSMENT OF MDL LASER ACE 300 FOR POINT POSITIONING AND 3D MODELING IN FORESTRY APPLICATION Jasmee JAAFAR, Juazer Rizal ABDUL HAMID, Roslina IDRIS and Azman Ali M. HABIB	125
ADVANCED DATA STRUCTURES FOR SURFACE STORAGE Karel JANECKA and Michal KARA	137
SEGMENTATION OF LIDAR DATA FOR EXTRACTING BUILDING'S ROOF SHAPES, USING FUZZY LOGIC CONCEPTS Nikrouz MOSTOFI and Farhad SAMADZADEGAN	151

MODELLING THE UNCERTAINTY OF SLOPE ESTIMATION FROM LIDAR-DERIVED DEM: A CASE STUDY FROM LARGE-SCALED AREA IN CZECH REPUBLIC	
Ivan MUDRON, Michal PODHORANYI, Juraj CIRBUS, Branislav DEVECKA, Peter BOBAL and Jozef RICHNAVSKY	161
COMPARING VULNERABILITY DELINEATIVE OF AQUIFER USING DRASTIC AND FUZZY LOGIC METHODS (CASE STUDY: GULGIR PLAIN OF MASJED SOLIEMAN, IRAN)	
Hamid Reza NASSERY and Ferdows SAREMI NEJAD	181
ANALYSIS OF ELEVATION DATA WITH TIME ASPECT FOR ATHLETES	
Rostislav NETEK and Jaroslav BURIAN	201
INTERACTIVE SAND-COVERED TERRAIN SURFACE MODEL WITH HAPTIC FEEDBACK	
Vaclav PURCHART, Ivana KOLINGEROVA and Bedrich BENES	215
SENSITIVITY ANALYSIS OF ANALYSIS OF VISIBILITY FROM LINE	
Katerina RUZICKOVA, Martina DOHNALOVA and Jan RUZICKA	225
CLUSTERING APPROACHES FOR HYDROGRAPHIC GENERALIZATION	
Alper SEN and Turkey GOKGOZ	241
ANALYSIS OF THE RELATIONSHIPS AMONG ERROR VALUES AND VALUES OF MORPHOMETRIC PARAMETERS DERIVED FROM THE DEM	
Jana SVOBODOVA, Lukas MAREK and Pavel TUCEK	261
HARDNESS DATA SYNTHESIS FOR HEIGHT-FIELD BASED LANDSCAPE MODELS	
Korneliusz WARSZAWSKI, Slawomir NIKIEL and Tomasz ZAWADZKI	273
HILL-SHADING BASED ON ANISOTROPIC DIFFUSE ILLUMINATION	
Klemen ZAKSEK, Kristof OSTIR, Peter PEHANI, Ziga KOKALJ and Ekkehard POLERT	283
TERRAIN AND CANOPY SURFACE MODELLING FROM LIDAR DATA FOR TREE SPECIES CLASSIFICATION	
Zhenyu ZHANG, Xiaoye LIU, Jim PETERSON and Wendy WRIGHT	299