



GEOBIA 2012: Poster Sessions

DAY 2 - TUESDAY 08/05/2012

15h40 - 16h20

Auditorium Segovia 1

Maciel Zortea, Norwegian Computing Center, Norway	Semi-automatic detection of cultural heritage in LiDAR data
Jixian Zhang, Academy of Surveying & Mapping, China	SVMs-based classification of segmented airborne LiDAR point clouds in urban areas
Laurence Strong, Unit. States Geological Survey, USGS, USA	Extending a prototype knowledge- and object-based image analysis model to coarser spatial resolution imagery: An example from the Missouri river
Bijeesh Veettil, Codex Remote Sensing & Dig. Images, Brazil	A comparative study of urban change detection using high spatial resolution images
Ingmar Nitze, University of Potsdam, Germany	Comparison of machine learning algorithms Random Forest, Artificial Neural Network and Support Vector Machine to Maximum Likelihood for supervised crop type classification
Isti Fadatul Khoiriah, Gadjah Mada University, Indonesia	Land use classification accuracies comparison based on ASTER/VNIR data and ASTER/VNIR-PALSAR image fusion
Elisabeth Addink, Utrecht University, Netherlands	Species discrimination in a heterogeneous Mediterranean environment using field and airborne spectroscopic data
Huichan Liu, Academy of Sciences, China	Auto-Matching Algorithm for Remote Sensing Images
Alzir Antunes, Federal University of Paraná, Brazil	Discriminating Mixed Ombrophylous Forest sub-typologies using object-based image analysis and decision trees
Zhao Jun Suo, IIST Key Lab. Institute of Software, Chinese Academic Science, China	Object decomposition based on skeleton analysis for road extraction
Philipp Gärtner, Technical University of Berlin, Germany	Object- based change detection of degraded <i>Populus Euphratica</i> floodplain forests at the lower reaches of Tarim river, China
Damien Arvor, IRD-UMR ESPACE-DEV, France	Semantic nets for object-oriented land cover mapping: A preliminary example
Luncedo Ngcofe, Council for GeoScience, South Africa	A study on automated segmentation for object-based image analysis for geological mapping in the northern Cape Province, South Africa
Gisele Reginatto, Fed. Univ. of Santa Catarina, Brazil	SHALSTAB application to identify the susceptible areas of shallow landslides in Cunha river watershed, Rio dos Cedros City, SC, Brazil
Mohsen Reveshty, Zanjan University, Iran	The object-based approach for urban land use classification using high resolution satellite imagery (A case study: Zanjan city)
Evandro Panquestor, State Univ. of Minas Gerais, Brazil	Semiautomated map of climate and geomorphologic attributes from São João river basin – MG
Xu Fan Jiang, Sci. & Tech. on Integ. Inf. Syst. Lab., Chinese Academy of Sciences, China	High-resolution satellite imagery modulating based on multi-scale observing feature
Betina Doubrava, Federal University of Paraná, Brazil	Object-oriented classification of forest succession stages
Guizhou Wang, Chinese Academy of Sciences, China	A new classification method for high spatial resolution remote sensing image based on mapping mechanism



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Ophelia Wang, Northern Arizona University, USA	Forest canopy shadow extraction using aerial photographs in the Ecuadorian Amazon
Ulisses Souza, INPE, Brazil	Use of WorldView-II images and the knowledge-based software InterIMAGE for the classification of land cover in an urban area
Mauro Garcia, Federal University of Lavras, Brazil	Stratification for assessment of nutritional status in forest plantations
Anne Puissant, Univ. of Strasbourg, France	Urban morphology by high and very high spatial resolution remote sensing
Felipe Alfaya, INPE, Brazil	Mapping Amazon river floodplain reach with SRTM-DEM using the HAND descriptor and object-based image analysis
Ivan Lizarazo, Distr. Univ. Fco Jose Caldas, Colombia	Are tessellated image objects really reliable?
Adeline Marinho, State Univ. of Rio Gde do Norte & Rural Fed. Univ. of Semi-arid, Brazil	Discovery of frequent correlations among deforestation objects using graph mining
Daniel Zanotta, INPE, Brazil	Automatic evaluation of segmentation methods for SAR images



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DAY 3 - WEDNESDAY 09/05/2012

15h25 - 16h05

Auditorium Segovia 1

Stéphane Dupuy, CIRAD, UMR/TETIS, France	An OBIA for fine-scale land cover spatial analysis over broad territories: demonstration through riparian corridor and artificial sprawl studies in France
Andrews Lucena, Federal Rural Univ. of Rio, Brazil	Detection and monitoring of heat island in the Metropolitan Area of Rio de Janeiro (MARJ) using the NDVI and IBI indices
Luo Yaohua, Chengdu Univ. of Technology, China	Feature extraction of hyperspectral remote sensing in parallel computing research based on GPU
Alfonso Benito, University of La Laguna, Spain	Object-based image analysis for mapping fuel types in Tenerife Island using WorldView-2 data
Aluir Dal Poz, State University of São Paulo, Brazil	Three-dimensional road extraction combining a stereoscopic pair of low-resolution aerial images and a DTM
Didier Josselin, UMR ESPACE CNRS, France	Scalar data analysis for assessing biodiversity of various geographical territories using GEOBIA
Graziela Meneghetti, INPE, Brazil	Object-oriented classification in urban areas using GeoDMA plugin
Irene Walde, Univ. of Jena, Germany	Using geographic object-based image analysis (GEOBIA) for urban land cover mapping and settlement density assessment
Gustavo Sousa, Federal Rural Univ. of Rio de Janeiro & Fed. Univ. of Rio de Janeiro, Brazil	Land cover mapping using a knowledge-model with InterIMAGE: The case of APA Petrópolis, Rio de Janeiro, Brazil
Jana Mullerová, Academy of Sciences, Czech Republic	Plant invasion recorded by remotely sensed data, comparison of different data sources
Marcus Carvalho, INPE, Brazil	Urban land cover classification with WorldView-2 images using data mining and object-based image analysis
Natasa Djuric, Space-SI – Centre of Exc. for Space Sci. and Technologies, Slovenia	Sub-object examination aimed at improving detection and distinction of objects with similar attribute characteristics
Marcelo Musci, PUC-Rio, Brazil	Texture characterization in remote sensing imagery using binary coding techniques
Daniel Colonia Ortiz, National University Santiago Antúnez de Mayolo, Peru	Assessment of the glacial retreat in the Llanganuco micro-watershed through a multitemporal analysis within the time span from 1987 to 2007
Maolo Faria, Federal University of Viçosa, Brazil	Geoprocessing in modeling ecological corridors in the Lagoa Santa Karst APA (MG)
Dirk Tiede, Univ. of Salzburg, Austria	Novel parameters for evaluating the spatial and thematic accuracy of land cover maps
Thales Korting, INPE, Brazil	Identifying features for temporal analysis of vegetation indices
Gabriel Spinola, Fluminense Federal University, Brazil	High resolution satellite image and GIS as tools to analyze the socio-environmental conflicts: a case study in the Southeast of Brazil
Lisiane Zanella, Federal Univ. of Lavras, Brazil	A comparison of visual interpretation and object-based image analysis for deriving landscape metrics



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Celio H. R. Sousa, Univ. of Lavras, Brazil	Analysis of RapidEye ´s red edge band for image segmentation and classification
Tatiana Magalhães, State Univ. of Santa Catarina, Brazil	Image classification using Landsat TM images for mapping wetlands vegetation (<i>banhados</i>) of the Catarinense Plateau, southern Brazil
Claudia Durand, INPE, Brazil	Characterizing land use and cover change and sugar cane expansion using TM data, EVI2-MODIS and object-based image analysis
Elpidio Fernandes, Federal University of Viçosa, Brazil	Characterization of sites with monodominance of Aroeira (<i>Myracrodruon Urundeuva All.</i>) in Tumiritinga, MG
Vassiliki Boulomytis, INPE, Brazil	Detection of potato plantation areas with medium resolution images: case study of Bueno Brandão, MG
Marcelino Silva, State Univ. of Rio Gde do Norte & Rural Fed. Univ. of Semiarid, Brazil	Monitoring of desertification processes through trend estimates of time series
Carla Cruz, Federal University of Rio de Janeiro, Brazil	Mapping use and land cover at a 1:5,000 scale of Angra dos Reis, RJ with object-based image classification
Patricia Brito, University of São Paulo, Brazil	A literature review, 2001-2008, of classification methods and inner urban characteristics identified in multispectral remote sensing images
Cláudia Almeida, INPE, Brazil	Genetic algorithms and data mining applied to optical orbital and LiDAR data for object-based classification of urban land cover