

International Society for Photogrammetry and Remote Sensing



ISPRS 1910 - 2010 CENTENARY CELEBRATIONS VIENNA

July 1-7, 2010

Vienna University of Technology

Vienna, Austria

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3 Ländertagung
DGPF - OVG - SGPF
July 1-3, 2010

ISPRS
Centenary Celebrations
July 4, 2010

Technical Commission VII
Symposium
July 5-7, 2010

Programme



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ISPRS Technical Commission VII Symposium

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Contributions in this colour indicate changes since the publication of the first issue of the Programme Booklet (=printed version)

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MONDAY, 5 July 2010

08:00 - 18:00	EI Aula	Registration		
09:00 - 10:30	EI 7	OPENING SESSION		
09:30 - 10:00		Welcome Address by the Symposium Chairman (<i>Wolfgang Wagner</i>)		
10:00 - 10:30		Welcome Address by the President of ISPRS (<i>Orhan Altan</i>)		
		Presentation of the ISPRS Student Consortium (<i>Cemal Özgül Kivilcim</i>)		
		Recent Advances in Local and Global Environmental Remote Sensing (<i>Menzel et al. (W. Paul Menzel)</i>)		
		Assimilation of satellite data into land surface models (<i>Shaun Quegan</i>)		
10:30 - 11:00	EI Aula	Coffee Break		
11:00 - 12:45	EI 7, EI 8, EI 9	ORAL SESSION 1.1 - 1.3		
		EI 7 Remote Sensing Applications 1 Chair: Klaus Steinnocher, Co-Chair: Christoph Aubrecht	EI 8 Data Fusion and Data Assimilation Chair: Jixian Zhang, Co-Chair: John van Genderen	EI 9 Lidar and Laser Scanning 1 Chair: Juha Hyypä, Co-Chair: Bernhard Höfle
11:00 - 11:15		Observing stress of artificial night lighting on marine ecosystems - A remote sensing application study (<i>Aubrecht & al.; Christoph Aubrecht</i>)	Fusion of optical and radar remote sensing data: Munich city example (<i>Palubinskas & Reinartz; Gintautas Palubinskas</i>)	Automatic detection of buried channel deposits from dense laser altimetry data (<i>Possel & al.; Roderik C. Lindenbergh</i>)
11:15 - 11:30		Retrieval of biophysical vegetation products from rapideye imagery (<i>Vuolo & al.; Katja Richter</i>)	Fusion of ALS Point Cloud Data with High Precision Surveying (<i>Data Wehr & al.; Aloysius Wehr</i>)	Comparison of terrestrial laser scanner and synthetic aperture radar data in the study of forest defoliation (<i>Kaasalainen & al.; Sanna Kaasalainen</i>)
11:30 - 11:45		Built-up areas density mapping from satellite images by morphological granulometries (<i>Kemmouche & al.; Akila Kemmouche</i>)	Fusion of ascending and descending polarimetric SAR data for color orthophoto generation (<i>Zhang & al.; Jixian Zhang</i>)	Terrain echo probability assignment based on full-waveform airborne laser scanning observables (<i>Mücke & al.; Werner Mücke</i>)
11:45 - 12:00		Remote Sensing, Geographic Information Systems and Shannon's Entropy: Measuring Urban Sprawl in a Mountainous Environment (<i>Verzosa & Gonzalez; Loureal Camille Verzosa</i>)	Pansharpening -- Relating Quantitative Quality Measures to Impact on Results of Subsequent Processing Steps (<i>Uwe Weidner</i>)	A Wavelet-base method in filtering of airborne Laser scanning data (<i>Grzegorz Jozkow</i>)
12:00 - 12:15		Estimating sub-pixel to regional winter crop areas using neural nets (<i>Atzberger & Rembold; Clement Atzberger</i>)	The registration of 3-D model and 2-D image using point and line features (<i>Teo & Chen; Tee-Ann Teo</i>)	The Light Fantastic: Using airborne lidar, in archaeological survey (<i>Simon Crutchley</i>)
12:15 - 12:30		Fusing Earth Observation with Local-level Health Data in a Virtual Globe Platform for Strengthening Public Health Capacity in Kisumu, Kenya (<i>Seaquist & al.; Jonathan Seaquist</i>)	Spatio-Temporal Characterization of Aerosols through Active Use of Data from Multiple Sensors (<i>Obradovic & al.; Zoran Obradovic</i>)	Comparison of grid-based and segment-based estimation of forest attributes using airborne laser scanning and digital aerial imagery (<i>Tuominen & Haapanen; Sakari Tuominen</i>)
12:30 - 12:45		Discussion	Discussion	Discussion
12:45 - 14:00		Lunch Break		

14:00 - 15:45	EI 7, EI 8, EI 9	ORAL SESSION 2.1 - 2.3		
		EI 7 Remote Sensing Applications 2 Chair: Clement Atzberger, Co-Chair: Balázs Székely	EI 8 Change Detection and Process Modelling Chair: Qiming Zhou, Co-Chair: Manos Baltasvias	EI 9 Lidar and Laser Scanning 2 Chair: Sanna Kaasalainen, Co-Chair: Uwe Stilla
		Remote Sensing and GIS in Inflow Estimation: The Magat Reservoir, Philippines Experience (<i>Sarmiento & al.; Rhodora M. Gonzalez</i>)	Assessment system of GIS-objects using multi-temporal imagery for near-realtime disaster management (<i>Frey & Butenuth; Daniel Frey</i>)	ALTM ORION: Bridging conventional LIDAR and full waveform digitizer technology (<i>Ussyshkin & Theriault; Valerie Ussyshkin</i>)
		Efficiency of texture measurement from two optical sensors for improved biomass estimation (<i>Nichol & Sarker; Janet Nichol</i>)	Mapping the deformation of man-made linear features using dinsar technique (<i>Wu & al.; Hongan Wu</i>)	Radiometric calibration of Full-Waveform Airborne Laser Scanning Data based on natural surfaces (<i>Lehner & Briese; Hubert Lehner</i>)
		Land Border Monitoring with remote sensing technologies (<i>Malinowski & Bielinska; Radoslaw Malinowski</i>)	Automatic 3D Change Detection based on optical satellite stereo imagery Tian & al. (<i>Jiaojiao Tian</i>)	Urban vegetation detection using high density full-waveform airborne LiDAR data - Combination of object-based image and point cloud analysis (<i>Höfle & Hollaus; Bernhard Höfle</i>)
		Mapping stream bank condition from airborne LiDAR and high spatial resolution image data in a temperate rural-urban environment, Australia (<i>Johansen & al.; Kasper Johansen</i>)	Sub-pixel precision image matching for displacement measurement of mass movement using normalised cross-correlation (<i>Debella-Gilo & Käab; Misganu Debella-Gilo</i>)	Evaluation of a laser Mobile Mapping System for monitoring sandy coasts (<i>Bitenc & al.; Maja Bitenc</i>)
		Quantitative Prognosis of Oil and Natural Gas Fields (<i>Vostokov & al.; Anatoliy Vostokov</i>)	Characterisation of long-term Vegetation Dynamics for a semi-arid wetland using NDVI time series from NOAA-AVHRR (<i>Ralf Seiler</i>)	Data driven alignment of 3D building models and digital aerial images (<i>Jung & al.; Costas Armenakis</i>)
		Mountains' Peaks Parameterisation and Determination (<i>Tomaž Podobnikar</i>)	Targeted Change Detection: A Novel Sensor-Independent Partially-Supervised Approach (<i>Fernández-Prieto & Marconcini; Mattia Marconcini</i>)	Tree Species Detection using full waveform LIDAR data in a complex forest (<i>Gupta & al.; Sandeep Gupta</i>)
		Discussion	Discussion	Discussion
		15:45 - 16:15	EI Aula	Coffee Break
16:15 - 17:45	Prechtsaal	POSTER SESSION (Main Building, Karlsplatz 13) Please refer to the floor plan in Prechtsaal to find the respective board for a poster number		
		Poster #	Title	Authors
		Change detection and process modelling		
		CHGD-004	Research of 2D-Fisher rule function in change detection of remote sensing images	Zhang (<i>Baoming Zhang</i>)
		CHGD-006	Change visualization through a texture-based analysis approach for disaster applications	Tomowski & al. (<i>Daniel Tomowski</i>)
		CHGD-101	Deriving water fraction and flood map with the EOS/MODIS data using decision tree approach	Sun & Yu (<i>Donglian (Lillian) Sun</i>)
		CHGD-104	Detection of forest management operations using bi-temporal aerial photographs	Hyvönen & al. (<i>Pekka Hyvönen</i>)
		CHGD-105	Analysing spatio-temporal pattern of land cover change using multi-temporal satellite images	Zhou & Sun (<i>Qiming Zhou</i>)
		CHGD-107	Mangrove change analysis using remote sensing and GIS technology (Case study: Can Gio district, Ho Chi Minh city, Viet Nam)	Hoa Binh (<i>Truong Thi Hoa Binh</i>)
		CHGD-108	Analysis and Modeling of Urban Land Cover Change in Setúbal and Sesimbra, Portugal	Araya (<i>Yikalo Araya</i>)
		CHGD-146	Automatic Registration of Airborne and Space-borne Images by Topology Map-Matching with SURF Processor Algorithm	Brook & Ben-Dor (<i>Anna Brook</i>)
		CHGD-158	Landsat Image Time Series for Monitoring Change in Vegetation Phenology and Disturbance in Queensland, Australia	Bhandari & al. (<i>Santosh P. Bhandari</i>)
		CHGD-159	Sub-pixel precision algorithms for normalised cross-correlation based image matching of mass movements	Debella-Gilo & Käab (<i>Misganu Debella-Gilo</i>)
		CHGD-183	Change detection for building models from aerial images and LIDAR data	Chen & al. (<i>Liang-Chien Chen</i>)
		CHGD-194	Measuring fluctuations of the aquifer in a Brazilian savanna region using a temporal sequence of 50 Landsat images	Pires-Luiz & Maillard (<i>Philippe Maillard</i>)