

2011 Joint Urban Remote Sensing Event

JURSE 2011

Proceedings

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U. Stilla, P. Gamba, C. Juergens, D. Maktav

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Preface

JURSE 2011, the IEEE GRSS and ISPRS **Joint Urban Remote Sensing Event** was a double-track conference which was held in Munich, Germany, from April 11-13, 2011.

The idea to organize an international workshop on urban remote sensing, jointly sponsored by IEEE GRSS (Institute of Electrical and Electronic Engineers, Geoscience and Remote Sensing Society) and ISPRS (International Society for Photogrammetry and Remote Sensing) was put in practice for the first time by the GRSS/ISPRS Joint workshop on 'Remote sensing and data fusion over urban areas' (URBAN) held in Rome (2001). Editions of URBAN followed in Berlin (2003) and Tempe (2005). In parallel to these activities a series of workshops named 'Remote sensing of urban and suburban areas' (URS) were organized in Regensburg (1997, 2001, 2003), Istanbul (2002), and Tempe (2005). After the common workshop in Tempe (2005) the 4th GRSS/ISPRS Joint Workshop on 'Remote sensing and data fusion over urban areas (URBAN)' and the 6th International Symposium on 'Remote sensing of urban areas' (URS) were jointly held in Paris (2007). The meeting was named 'Joint Urban Remote Sensing Event' (JURSE). The last JURSE was held in Shanghai in 2009.

JURSE 2011 was organized by the conference chairs and the local organizing committee of the Department of Photogrammetry and Remote Sensing, Technische Universitaet Muenchen. The conference addressed researchers and practitioners from universities, research institutes, industry, mapping agencies, governmental organizations, and private companies. It discussed recent developments and trends on remote sensing for urban monitoring. The range of topics covers methodological work as well as application oriented case studies and is reflected by the terms of URBAN and URS:

- New data & sensors for urban area remote sensing
- Structure detection and characterization in urban areas
- Algorithms and techniques for remotely sensed data interpretation in urban areas
- Algorithms and techniques for urban area applications

- Urban climatology, geology, and geohazards
- Remote sensing applications to social science
- Remote sensing applications to urban planning and conservation
- Urban development and growth pattern
- Urban/periurban ecology

In order to support young researchers in the field of urban remote sensing, a student paper competition was embedded in JURSE 2011, being a wonderful occasion for young scientists to expose their work in this unique venue and be recognized for their value. Submitted student papers were evaluated and the best ones selected. The students of these papers were able to present their work in dedicated student prize sessions. In addition they received free registration for the conference as well as free hotel rooms close to the conference site. The three best papers were rewarded.

For further improvement of the scientific quality a full paper review was introduced for JURSE 2011 in Munich. Prospective authors were invited to submit full papers of a maximum length of 4 pages. We received 147 papers from 34 countries for peer review. Most papers were reviewed at least by three members of the program committee; papers for the student competition were reviewed by four peers. In total, 411 reviews were carried out by 44 reviewers.

Finally, 115 papers coming from 28 countries were included in the program which corresponds to an acceptance rate of 78%. From 27 papers submitted following the call for students 10 papers were considered for the oral student competition at the conference.

During the two-and-a-half days of the event there were one plenary session with 2 presentations, 9 sessions with altogether 45 oral presentations, 3 special sessions with 15 oral presentations, and 2 student paper sessions with 10 oral presentations. Additionally, in one poster session 47 posters were presented.

All presented papers will be published via IEEE Xplore (<http://ieeexplore.ieee.org>).

Finally, the conference chairs wish to thank all contributing authors, the members of the program committee, the session chairs, and the chairs and members of the local organizing committee. Ludwig Hoegner did a great job with the management of the web pages and the conference tool. The final word processing of all incoming manuscripts and the preparation of the proceedings by Michael Schmitt are gratefully acknowledged. Konrad Eder also did a great job being the conference treasurer and co-organizing the social events, and so did Stefan Gernhardt in caring for the technical equipment, Dorota Iwaszczuk in organizing accommodation and co-organizing the social events and Sebastian Tuttas caring for the local organizing committee assistants. We would also like to thank Christine Elmauer, Carsten Goetz, Wei Yao and Gabriele Aumann for their support to make JURSE 2011 a successful event.

Munich, April 2011

The conference chairs



U. Stilla

P. Gamba

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D. Maktav

Contents

Session 1: Vehicle and Traffic Monitoring

Map-based change detection (MBCD) in urban traffic scenes

F. Meysel
German Aerospace Center (DLR), Germany 1

Investigation on the performance of velocity estimation of vehicles from airborne LiDAR data

W. Yao, J. Wu, S. Hinz, U. Stilla
Technische Universitaet Muenchen (TUM), Germany,
Wuhan University, China,
Karlsruhe Institute of Technology (KIT), Germany 5

Automatic vehicle counts from QuickBird images

S.O. Larsen, A.B. Salberg
Norwegian Computing Center, Norway 9

Tracking multiple vehicles in airborne image sequences of complex urban environments

I. Szottka, M. Butenuth
Technische Universitaet Muenchen (TUM), Germany 13

Vehicle detection in aerial images using boosted classifier with motion mask

S. Tuermer, J. Leitloff, P. Reinartz, U. Stilla
German Aerospace Center (DLR), Germany
Technische Universitaet Muenchen (TUM), Germany 17

Session 2: Data Fusion

Multi-sensor data fusion for urban area classification

A. Makarau, G. Palubinskas, P. Reinartz
German Aerospace Center (DLR), Germany 21

Matching of 3D building models with IR images for texture extraction

D. Iwaszczuk, L. Hoegner, U. Stilla
Technische Universitaet Muenchen (TUM), Germany 25

The use of ALS, TLS and VLS measurements in mapping and monitoring urban trees

M. Holopainen, M. Vastaranta, V. Kankare, J. Hyyppeae, X. Liang, P. Litkey, X. Yu, H. Kaartinen, A. Kukko, S. Kaasalainen, A. Jaakkola, H. Hyyppeae, M. Vaaja
University of Helsinki, Finland
Finnish Geodetic Institute, Finland
Aalto University, Finland 29

Delineating urban, suburban and rural areas using Landsat and DMSP-OLS night-time images

K. Roychowdhury, H. Taubenboeck, S. Jones
RMIT University, Australia
German Aerospace Center (DLR), Germany 33

Session 3: Feature Extraction

SVM-based road verification with non-representative training data M. Ziems, C. Heipke, F. Rottensteiner <i>Leibniz Universitaet Hannover, Germany</i>	37
Interpretation of SAR images in urban areas using simulated optical and radar images J. Tao, G. Palubinskas, S. Auer, P. Reinartz <i>German Aerospace Center (DLR), Germany</i> <i>Technische Universitaet Muenchen (TUM), Germany</i>	41
Urban building density detection using high resolution SAR imagery Q. Wu, R. Chen, H. Sun, Y. Cao <i>Wuhan University, China</i> <i>Guizhou Normal University, China</i>	45
Characterizing land cover from X-band COSMO-SkyMed images by neural networks C. Pratola, F. Del Frate, G. Schiavon, D. Solimini, G. Licciardi <i>Tor Vergata University, Italy</i> <i>INP Grenoble, France</i>	49

Session 4: Interferometry and its applications

Fusion of airborne multi-aspect InSAR data by simultaneous backward geocoding M. Schmitt, U. Stilla <i>Technische Universitaet Muenchen (TUM), Germany</i>	53
4D city information – Fusion of multi-aspect angle high resolution PS point clouds S. Gernhardt, S. Hinz, M. Eineder, R. Bamler <i>Technische Universitaet Muenchen (TUM), Germany</i> <i>Karlsruhe Institute of Technology (KIT), Germany</i> <i>German Aerospace Center (DLR), Germany</i>	57
Investigations on the nature of persistent scatterers based on simulation methods S. Auer, S. Gernhardt, R. Bamler <i>Technische Universitaet Muenchen (TUM), Germany</i> <i>German Aerospace Center (DLR), Germany</i>	61
First urban TanDEM-X RawDEMs analysis C. Rossi, T. Fritz, H. Breit, M. Eineder <i>German Aerospace Center (DLR), Germany</i>	65

Session 5: Change Detection

Information theoretical similarity measure for change detection S. Cui, M. Datcu, L. Gueguen <i>German Aerospace Center (DLR), Germany</i> <i>Joint Research Centre (JRC), Italy</i>	69
--	----

Comparative study of change detection for reconstruction monitoring based on very high resolution optical data	
W. Liang, D. Hoja, M. Schmitt, U. Stilla German Aerospace Center (DLR), Germany Technische Universitaet Muenchen (TUM), Germany	73
Texture based change detection of built-up on SPOT panchromatic imagery using PCA	
D. Ehrlich, C. Bielski Joint Research Centre (JRC), Italy	77
Spatio-temporal cross-city comparison using multi-sensoral remote sensing for Mexican cities	
H. Taubenboeck, M. Klotz, A. Felbier, M. Wegmann, R. Ludwig German Aerospace Center (DLR), Germany University of Wuerzburg, Germany Ludwigs-Maximilians University, Germany	81
Automatic urban area monitoring using digital surface models and shape features	
H. Chaabouni-Chouayakh, P. d'Angelo, T. Krauss, P. Reinartz German Aerospace Center (DLR), Germany	85
 Session 6: Urban Mapping	
Quantitative estimation of settlement density and limits based on textural measurements	
M. Pesaresi, M. Halkia, G. Ouzounis Joint Research Centre (JRC), Italy	89
Joint VHR-LiDAR classification framework in urban areas using a priori knowledge and post processing shape optimization	
P. Gamba, G. Lisini, L. Tomas, C. Almeida, L. Fonseca University of Pavia, Italy INPE, Sao Jose Dos Campos, Brazil	93
Unmixing prior to supervised classification of urban hyperspectral images	
I. Dopido, A. Plaza University of Extremadura, Spain	97
Extraction of different urban area categories from satellite images using window independent context segmentation	
M.M. Nielsen Stockholm University, Sweden	101
Spatial classification of WorldView-2 multi-angle sequence	
N. Longbotham, C. Bleiler, C. Chaapel, C. Padwick, W. Emery, F. Pacifici University of Colorado at Boulder, United States of America DigitalGlobe, United States of America	105

Session 7: Classification Methodologies

Spectral classification of WorldView-2 multi-angle sequence

N. Longbotham, C. Bleiler, C. Chaapel, C. Padwick, W. Emery, F. Pacifici

University of Colorado at Boulder, United States of America

DigitalGlobe, United States of America 109

Height snakes: 3D building reconstruction from aerial image and laser scanner data

H. Steuer

Technische Universitaet Muenchen (TUM), Germany 113

Statistical analysis of anisotropic rotation-invariant textural measurements of human settlements from multitemporal SAR data

G. Trianni, E. Angiuli, M. Pesaresi

Joint Research Centre (JRC), Italy 117

Dataset shift adaption with active queries

D. Tuia, E. Pasolli, W. Emery

University of Valencia, Spain

University of Trento, Italy

University of Colorado at Boulder, United States of America 121

Building boundary improvement for true orthophoto generation by fusing airborne LiDAR data

J. Wu, S. Ji, W. Yao, U. Stilla

Wuhan University, China

Technische Universitaet Muenchen (TUM), Germany 125

Session 8: Thermal Spectroscopy

Multitemporal Landsat data for urban heat island assessment and classification of local climate zones

B. Bechtel

University of Hamburg, Germany 129

Detection of windows and doors from thermal images by grouping geometrical features

B. Sirmacek, L. Hoegner, U. Stilla

German Aerospace Center (DLR), Germany

Technische Universitaet Muenchen (TUM), Germany 133

Temporal characteristics of thermal satellite images for urban climate study

P.H. To, J. Nichol, R. Tse

The Hong Kong Polytechnic University, China 137

Mobile SODAR measurements as a source of information about spatial variability of nocturnal thermal inversion height

P. Netzel, A. Drzeniecka-Osiadacz, J. Slopek

University of Wroclaw, Poland 141

Session 9: Mapping Socio-Economic Features

Using remotely sensed data to map variability in health and wealth indicators in Accra, Ghana R. Engstrom, H. Jewell, E. Ashcroft, D. Rain <i>The George Washington University, United States of America</i>	145
Characterizing urban light sources using imaging spectrometry F.A. Kruse, C.D. Elvidge <i>Naval Postgraduate School, United States of America</i> <i>National Oceanic and Atmospheric Administration (NOAA), United States of America</i>	149
Indian census using satellite images: Can DMSP-OLS data be used for small administrative regions? K. Roychowdhury, S. Jones, C. Arrowsmith, K. Reinke <i>RMIT University, Australia</i>	153
An exploration of natural capital in the context of multiple deprivations S. Mishra, M. Kuffer, J. Martinez, K. Pfeffer <i>University of Twente, Netherlands</i> <i>School of Planning and Architecture, India</i> <i>University of Amsterdam, Netherlands</i>	157

Session S1: Dragon II

Unsupervised change detection using multitemporal spaceborne SAR data: A case study in Beijing Y. Ban, O.A. Yousif <i>Royal Institute of Technology (KTH), Sweden</i>	161
Fusion of difference images for change detection in urban areas S. Liu, P. Du, P. Gamba, J. Xia <i>China University of Mining and Technology, China</i> <i>University of Pavia, Italy</i>	165
SAR-based analysis of urban areas: Joint exploitation of segments and statistical features P. Gamba, M. Aldrichi <i>University of Pavia, Italy</i>	169
Residential area extraction by integrating supervised/unsupervised/contextual/object-based methods with moderate resolution remotely sensed data C. Li, L. Wang, P. Gong, J. Wang, Q. Ying <i>Beijing Normal University, China</i>	173
Monitoring urban impervious surface area change using CBERS and HJ-1 remote sensing images J. Xia, P. Du, H. Zhang, L. Yuan <i>China University of Mining and Technology, China</i>	177

Session S2: PSI and SAR Tomography (Invited)

A fundamental bound for super-resolution – with application to 3D SAR imaging

X. Zhu, R. Bamler

Technische Universitaet Muenchen (TUM), Germany

German Aerospace Center (DLR), Germany 181

Peculiarities of urban area analysis with very high resolution interferometric SAR data

G. Fornaro, A. Paucillo, D. Reale, X. Zhu, R. Bamler

IREA-CNR Napoli, Italy

Universita di Napoli "Parthenope", Italy

Technische Universitaet Muenchen (TUM), Germany

German Aerospace Center (DLR), Germany 185

Utilizing phase for grouping of PS in urban high-resolution InSAR images

E. Michaelsen, A. Schunert, U. Soergel

Fraunhofer Institute of Optronics, System Technologies and Image Exploitation, Germany

Leibniz Universitaet Hannover, Germany 189

Building edge detection from SAR amplitude and phase data

F. Baselice, G. Ferraioli, V. Pascazio

Universita di Napoli "Parthenope", Italy 193

Spaceborne tomographic SAR techniques for analyzing garbled urban scenarios: Array processing advances and experiments

F. Lombardini, F. Cai

University of Pisa, Italy 197

Session S3: VHR Radar (Invited)

Earthquake damage assessment from post-event VHR radar data: From Sichuan, 2008 to Haiti, 2010

F. Dell'Acqua, P. Gamba, D.A. Polli

University of Pavia, Italy

EUCENTRE, Italy 201

Segment-based building detection with conditional random fields

J.D. Wegner, U. Soergel, B. Rosenhahn

Leibniz Universitaet Hannover, Germany 205

A symmetric scheme for building reconstruction from a couple of HR optical and SAR data

H. Sportouche, F. Tupin, L. Denise

Telecom ParisTech, France

Thales Communications, France 209

A SAR image-based tool for prompt and effective earthquake response

R. Guida, P.T.B. Brett

University of Surrey, United Kingdom 213

Building damage assessment in decimeter resolution SAR imagery: A future perspective

D. Brunner, K. Schulz, T. Brehm

Fraunhofer Institute of Optronics, System Technologies and Image Exploitation, Germany

Fraunhofer Institute for High Frequency Physics and Radar Techniques, Germany 217

Session C1: Student Competition

Classification of residential building architectural typologies using LiDAR

T.R. Tooke, M. van der Laan, N.C. Coops, A. Christen, R. Kellett

University of British Columbia, Canada 221

Comparison of selected impervious surface products derived from remote sensing data – A case study for the city of Munich

C. Geiss, M. Wurm, H. Taubenboeck, W. Heldens, T. Esch

German Aerospace Center (DLR), Germany

Julius-Maximilians Universitaet Wuerzburg, Germany 225

Land use / land cover classification for applied urban planning – The challenge of automation

H. Thunig, N. Wolf, S. Naumann, A. Siegmund, C. Juergens, C. Uysal, D. Maktav

University of Education Heidelberg, Germany

Ruhr-Universitaet Bochum, Germany

Istanbul Technical University, Turkey 229

Advanced coherence stacking technique using high resolution TerraSAR-X spotlight data

Y. Wang, X. Zhu, R. Bamler

Technische Universitaet Muenchen (TUM), Germany

German Aerospace Center (DLR), Germany 233

Deformation monitoring from high-resolution SAR images in Shanghai Pudong area

L. Wei, T. Balz, Y. Pei, M. Liao

Wuhan University, China 237

Session C2: Student Competition

RADARSAT-2 polarimetric SAR data for urban land cover mapping using spatial-temporal SEM algorithm and mixture models

X. Niu, Y. Ban

Royal Institute of Technology (KTH), Sweden 241

Polarimetric SAR images classification using collective network of binary classifiers

S. Uhlmann, S. Kiranyas, T. Ince, M. Gabbouj

Tampere University of Technology, Finland

Izmir University of Economics, Turkey 245

A scatterers detection scheme in SAR tomography for reconstruction and monitoring of individual buildings

D. Reale, A. Pauciuolo, G. Fornaro, A. De Maio

IREA-CNR Napoli, Italy

Universita di Napoli "Federico II", Italy 249

Bright line detection in COSMO-SkyMed SAR images of urban areas

P.T.B. Brett, R. Guida

University of Surrey, United Kingdom 253

A new local approach for flooding level estimation in urban areas using single SAR images

P. Iervolino, V. Diessa, R. Guida, A. Iodice, A. Ricciardi, D. Riccio

Universita di Napoli "Federico II", Italy

University of Surrey, United Kingdom 257

Poster 1: SAR and LiDAR

Fractal filtering applied to SAR images of urban areas

G. Di Martino, A. Iodice, D. Riccio, G. Ruello, I. Zinno

Universita di Napoli "Federico II", Italy 261

Feasibility of time-frequency urban area analysis on TerraSAR-X fully polarimetric dataset

S. Khan, R. Guida

University of Surrey, United Kingdom 265

Classification of building area using azimuth angle and density indices derived from polarimetric SAR

S. Iwasa, J. Susaki

Kyoto University, Japan 269

Building L-shape footprint extraction from high resolution SAR image

F. Zhang, Y. Shao, X. Zhang, T. Balz

Chinese Academy of Sciences, China

Beijing Institute of Technology, China

Wuhan University, China 273

Urban change monitoring from multi-temporal TerraSAR-X images

W. Liu, F. Yamazaki

Chiba University, Japan 277

Multi-temporal segmentation of Cosmo-SkyMed SAR data for flood monitoring

M. Chini, L. Pulvirenti, N. Pierdicca, L. Guerriero

Istituto Nazionale di Geofisica e Vulcanologia, Italy

Sapienza University of Rome, Italy

Tor Vergata University of Rome, Italy 281

A new product from persistent scatterer interferometry: the thermal dilation maps

M. Cuevas, O. Monserrat, M. Crosetto, B. Crippa

Institut de Geomatica, Spain

Universita degli Studi di Milano, Italy 285

SAR-simulation of large urban scenes using an extended ray tracing approach

H. Hammer, K. Schulz

Fraunhofer Institute of Optics, System Technologies and Image Exploitation, Germany 289

Rule-based roof plane detection and segmentation from laser point clouds H. Huang, C. Brenner <i>Leibniz Universitaet Hannover, Germany</i>	293
--	-----

Fast and efficient algorithm for real time lossless compression of LiDAR rasterized data based on improving energy compaction P. Ghamisi, F. Sepehrband, A. Mohammadzadeh, M. Mortazavi, J. Choupan <i>K. N. Toosi University of Technology, Iran</i> <i>Sharif University of Technology, Iran</i>	297
--	-----

Poster 2: Calibration and Evaluation

Investigation on the Self-calibration adjustment of ADS40 three line images J. Liu, H. Wang, D. Wang, Y. Fan <i>Chinese Academy of Sciences, China</i> <i>Zhengzhou Institute of Surveying and Mapping, China</i>	301
---	-----

Statistically robust detection and evaluation of errors in DTMs A. Saati, H. Arefi, M. Schmitt, U. Stilla <i>German Aerospace Center (DLR), Germany</i> <i>Technische Universitaet Muenchen, Germany</i>	305
--	-----

Image focusing using Gauss-Laguerre circular harmonic filters N. Cimminiello, L. Sorgi, L. Verdoliva <i>Euro.Soft s.r.l., Italy</i> <i>Italian Aerospace Research Center, Italy</i> <i>Universita di Napoli "Federico II", Italy</i>	309
---	-----

Poster 3: Data Fusion and Change Detection

Multi-resolution, multi-sensor image fusion: general fusion framework G. Palubinskas, P. Reinartz <i>German Aerospace Center (DLR), Germany</i>	313
--	-----

Egyptsat-1 super-resolution image reconstruction using data fusion A.H. Nasr, A.K. Helmy <i>National Authority for Remote Sensing and Space Sciences (NARSS), Egypt</i>	317
--	-----

An interactive approach for extraction of urban patterns from multisource images C. Kurtz, A. Puissant, N. Passat, P. Gancarski <i>Universite de Strasbourg, France</i>	321
--	-----

A new unsupervised change detection algorithm based on the MRF in remote sensing image L. Wei, Y. Zhong, L. Zhang, P. Li <i>Wuhan University, China</i>	325
--	-----

Colour and texture based change detection for urban disaster analysis D. Tomowski, M. Ehlers, S. Klonus <i>University of Osnabrueck, Germany</i>	329
---	-----

Objects textural features sensitivity for earthquake damage mapping

C. Bignami, M. Chini, S. Stramondo, W.J. Emery, N. Pierdicca
Instituto Nazionale di Geofisica e Vulcanologia, Italy
University of Colorado at Boulder, United States of America
Sapienza University of Rome, Italy 333

Poster 4: Roads and Traffic Monitoring

Accurate urban road model reconstruction from high resolution remotely sensed imagery based on support vector machine and Gabor filters

H. Jin, Y. Feng, Y. Shen
Queensland University of Technology, Australia 337

Geodesic morphology for vector-aided car detection from high resolution satellite imagery

F. Samadzadegan, N. Zarrinpanjeh, T. Schenk
University of Tehran, Iran
Ohio State University, United States of America 341

Trafficability analysis after flooding in urban areas using probabilistic graphical models

D. Frey, M. Butenuth
Technische Universitaet Muenchen (TUM), Germany 345

Poster 5: Climate

Satellite and ground-based sensors for the urban heat island analysis in the city of Madrid

R. Fabrizi, A. De Santis, A. Gomez
Ingenieria y Servicios Aeroespaciales S.A. (INSA), Spain 349

Application of remotely sensed data for spatial approximation of urban heat island in the city of Wroclaw, Poland

M. Szymanowski, M. Kryza
University of Wroclaw, Poland 353

Evaluation of urban expansion and its impact on surface temperature in Beijing, China

Q. Zhang, Y. Ban
Royal Institute of Technology (KTH), Sweden 357

Geomonitoring for energy efficiency

J.M. Lazewski-Heering, C. Juergens
Ruhr-Universitaet Bochum, Germany 361

Research into spatiotemporal features of carbon emission effect of urban land expansion in Kunshan, China

R. Zhang, L. Pu, Z. Liu
Nanjing University, China 365

Risk assessment of field-scale flood disaster based on combined remote sensing and hydrological dynamics model
 J. Zhang, G. Ma
Capital Normal University, China
Beijing Normal University, China 369

Poster 6: Classification Methodologies

Interactive classification of urban areas using decision trees
 S. Abelen, H. Taubenboeck, U. Stilla
Technische Universitaet Muenchen (TUM), Germany
German Aerospace Center (DLR), Germany 373

Classifying roof materials using data fusion through kernel composition - comparing ν -SVM and one-class SVM
 A.C. Braun, U. Weidner, S. Hinz
Karlsruhe Institute of Technology (KIT), Germany 377

Classification based building detection from GeoEye-1 images
 D. Grigillo, M. Kosmatin Fras
University of Ljubljana, Slovenia 381

Evaluation of local features for scene classification using VHR satellite images
 L. Chen, W. Yang, K. Xu, T. Xu
Wuhan University, China 385

A feature selection analysis of WorldView-II data for similar urban targets discrimination
 T. Novack, H.J.H. Kux, T. Esch, U. Stilla
National Institute for Space Research, Brazil
German Aerospace Center (DLR), Germany
Technische Universitaet Muenchen (TUM), Germany 389

Deriving urban land use with metric-based signatures: comparing Landsat ETM+ and SPOT 5 imagery
 T. Van de Voorde, F. Canters, D. McInerney, S. Convery, H. Shahumyan
Vrije Universiteit Brussel, Belgium
Joint Research Centre (JRC), Italy
University College Dublin, Ireland 393

An hierarchical object based image analysis approach to extract impervious surfaces within the domestic garden
 K. Verbeeck, M. Hermy, J. Van Orshoven
K. U. Leuven, Belgium 397

Feature extraction for hyperspectral image based on semi-supervised local discriminant analysis
 W. Liao, A. Pizurica, W. Philips, Y. Pi
Ghent University, Belgium
South China University of Technology, China 401

Using hyperspectral remote sensing data in urban mapping over Kuala Lumpur E. Taherzadeh, H.Z. Mohd Shafri <i>Universiti Putra Malaysia (UPM), Malaysia</i>	405
Graph theory and mean shift segmentation based classification of building facades B. Sirmacek <i>German Aerospace Center (DLR), Germany</i>	409
Poster 7: Case Studies	
Radar identification of urban-enhanced thunderstorm activity for Atlanta, Georgia, USA M.L. Bentley, W.S. Ashley, J.A. Stallins <i>Northern Illinois University, United States of America</i> <i>Florida State University, United States of America</i>	413
Detection of ground subsidence in the city of Lisbon: comparison of InSAR and topographic measurements J. Catalao, G. Nico, V. Conde <i>Universidade de Lisboa, Portugal</i>	417
Correlation of DInSAR deformation results and active tectonics in the city of Thessaloniki (Greece) A. Mouratidis, F. Costantini, A. Votsis <i>European Space Agency (ESA), Italy</i> <i>Virginia Commonwealth University, United States of America</i>	421
Change detection of urban areas - the Ljubljana, Slovenia case study U. Kanjir, T. Veljanovski, K. Ostir <i>Slovenian Academy for Sciences and Arts, Slovenia</i> <i>Space-SI, Slovenia</i>	425
Participatory land use management of public spaces in New Zealand S. Dacey, R. Barbour, A. Fernando <i>UNITEC, New Zealand</i>	429
Automatic generation of land-use maps for a spatial decision support system for Puerto Rico J. van der Kwast, J. Delrue, L. Bertels, I. Uljee, S. Van Looy, J. Schepens, G. Engelen, E. Gutierrez, G. Roman <i>Flemish Institute for Technological Research (VITO), Belgium</i> <i>University of Puerto Rico, Puerto Rico</i> <i>Geographic Mapping Technologies Corp., Puerto Rico</i>	433
Ecological security assessment of Yiwu city based on PSR framework X. Li, L. Du, B. Wu, W. Cai, J. Yu <i>Chinese Academy Of Sciences, China</i> <i>Ministry of Housing & Urban-Rural Development (MOHURD), China</i>	437

Investigating urban sprawl metrics and dynamics using RS and GIS - Case study: Gilan province, Iran A. Nejadi, E. Salehi, M. Jafari <i>University of Tehran, Iran</i> <i>Azad University Tehran, Iran</i>	441
Urban sprawl impact assessment on the agricultural land in Egypt using remote sensing and digital soil database: A case study, Qalubiya Governorate A. Shalaby, A. Gad <i>National Authority for Remote Sensing and Space Science (NARSS), Egypt</i>	445
Author Index	449

