

**Wednesday 22 September**

8.30-10.00: Registration with coffee

10.00-11.00: Opening Session

**Welcome address from EARSel**

*R. Goossens, ex-President of EARSel*

**Welcome address from the Ghent University**

*H. De Jonghe – Dean Faculty of Science*

Keynote presentation

**Integrating Multiple Satellite Sensors for Urban Climatology in Developing Countries**

*E. Parlow*

11.00-11.30: Coffee break

11.30-12.15: Tutorial

**Acquiring Moderate Resolution Remote Sensing Data from Nasa:  
What, Where, How, How much?**

*M. Abrams, Director of the ASTER Program*

12.15-14.00: Lunch

14.00-15.30: **Urban Remote Sensing(1) - Chair: C. Jurgens**

**Comparison of Two Classification Techniques for Urban Impervious Surface Mapping  
and the Impact on Simulated Runoff**

*Eva M. Ampe, et al.*

**Identifying the Poor in the Cities - How can Remote Sensing help to Profile Poverty  
(slum dwellers) in Megacities?**

*Maik Netzband*

**Spatio-Temporal Analysis of Informal Settlements Development. A Case Study in  
Istanbul, Turkey**

*Olena Dubovyk, et al.*

14.00-15.30: **Radar Remote Sensing (1) - Chair: U. Sörgel**

**State of the Art of 3D-Model Extraction Using in SAR**

*U. Sörgel*

**Definition of a Radar Grammetric Model and Application with Cosmo-SkyMed Imagery**

*Paola Capaldo, et al.*

**Building Detection in Urban Areas from Combined Optical and InSAR Data Exploiting  
Context**

*Jan Dirk Wegner*

15.30-16.00: Coffee break

16.00-18.00: **Special Session on the Mamud Project – Urban Remote Sensing Topics**

**Chair: J. Vandenabeele**

**Inferring Urban Morphology for the Greater Dublin Area from Continuous Sealed  
Surface Data: a Metric-Based Approach**

*Tim Van de Voorde et al.*

**Using information on Urban Morphology derived from a Time-Series of Medium Resolution Remote Sensing Data for the Calibration of the MOLAND Urban Growth Model)**

*Johannes van der Kwast et al.*

**Estimating the Impact of Urbanisation on Hydrology in Dublin, Ireland**

*Boud M.G. Verbeiren, et al.*

**Use of Multi-Angle High-Resolution Imagery and 3D Information for Urban Land-Cover Classification**

*Marc Binard, et al.*

16.00-17.30: **Thermal Remote Sensing (1) - Chair: C. Kuenzer**

**Aerodynamic Resistance for Flux Estimation in an Urban Area**

*Corinne M Frey, et al.*

**Thermal Remote Sensing of Urban Surface Parameters for Use in Urban Climate Models**

*Koen De Ridder, et al.*

**Urban Heat Island of Munich, Germany – A Multisensoral and Multiscale Approach**

*Wieke Heldens, et al.*

18.00: Welcome's Drink

**Thursday 23 September**

9.00-10.30: **Remote Sensing for Developing Countries (1) - Chair: G. Büyüksalih**

**Ontology for Slums**

*Divyani Kohli*

**Imagery, in the Western Desert of Egypt**

*Mohammed Abd El-Fattah Ghadiry, et al.*

**The Role of Remote Sensing in an Urban Observatory for Developing Countries**

*Cristina D Henriques*

9.00-10.30: **3D-Remote Sensing (1) - Chair: K. Jacobson**

**The ASTER Global Topographic Data Set**

*Michael Abrams, et al.*

**Assessment of Surface Model Extraction of an Urban Scene from VHR Multisensor Spaceborne Imagery**

*Frederik MR Tack, et al.*

**Matching Strategies for DSMS Extraction in Urban Area from High Resolution Satellite Imagery**

*Paola Capaldo, et al.*

10.30-11.00: Coffee break

11.00-12.30: **Interactive Poster Session**

**Further Advances in Automatic Mapping of Seismic Damage Based on Very High Resolution SAR Images**

*Fabio Dell'Acqua, et. al*

**The Changes of the Ecological Significance of Wetlands in the Red River Coastal Zone, Vietnam**

*Nguyen Tien Cong*

**Spectral Discrimination of Healthy Corals on Spermode Archipelago, Indonesia**

*Nur Jannah nurdin, et al.*

**Capabilities Test of Alos AVNIR 2 and LANDSAT 7 ETM SLC – Off Images for Coral Reefs Ecosystem Detection on Sperup,de Archipelago, Indonesia**

*Nur Jannah Nurdin*

**Forests Destruction Asses by Using Remote Sensing Data and Field Study (case study :Khuzestan, ALBAJI'S DESERT)**

*Hamid reza Matinfar*

**Evaluation of Effects of Multiresolution Segmentation Parameters on the Accuracy of Object-Oriented Classification of Satellite Images for Land Use/Cover (case study in Tehran)**

*Ali Ghadiri*

**Application of Integrating Thermal Remote Sensing Data with other Satellite Imageries to examining Changes in Global LST**

*Seyed Kazem Alavipanah, et al.*

**Remote Sensing for Physical Protection of the Pipeline Network**

*Mansour Ahamdi Foroushani, et al.*

**A Software for Agricultural and Drought Monitoring in Morocco, using Vegetation Indexes**

*Jose L Casanova, et al.*

**Monitoring the Drought Status in the Western Forest covered Regions of Algeria with Remotely Sensing Landsat ETM+ data**

*Hamimed Abderrahmane, et al.*

**Study on the Effect of Sediment Transport on the Displacement of the Estuaries (Case study: Rivers of Gilan Province)**

*Mohammad Ebrahim Banihabib, et al.*

**Evaluation of Methods efficiency Kriging and IDW Method for Simulation of Rain Parameters**

*Shahram Khalighi Sigaroodi, et al.*

**Assessment Efficiency Linear Regression and Longbin Method to Reconstruction of Hydrometric Data**

*Shahram Khalighi, et al.*

**Landscape Change and Desert Land Monitoring and Assessment**

*Gholamreza zehtabian, et al.*

**Dimensionality Reduction of Hyper Spectral Data using Area Based Feature**

*Jayanta K. Ghosh, et al.*

**Accuracy Assessment of a LIDAR Digital Terrain Model by using RTKGPS and Total Station**

*Coen Stal, et al.*

12.30-14.00: Lunch

14.00-15.30: **Urban Remote Sensing (2) - Chair: D. Maktav**

**Semi-Automated Analysis of Remote Sensing Data – An Approach for Supporting Urban Planning Authorities**

*Carsten Jürgens, et al.*

**Multiple Endmember Unmixing of Chris/Proba Data for Mapping of Sealed Surfaces in the Brussels Capital Region**

*Luca Demarchi, et al.*

**Capabilities of and Requirements for Urban Remote Sensing**

*Hannes Taubenboeck, et al.*

14.00-15.30: **Radar Remote Sensing (2) - Chair: F. Dell'Aqua**

**Comparison of High Resolution InSAR and Optical DEMs**

*Umut Günes Sefercik, et al.*

**A Comparative Analysis of the Results achieved by the Spinua and Delf Psi Techniques: Ground Deformation Monitoring of the Gulf of Gdansk Coastal Area (Poland)**

*Marek Graniczny, et al.*

**Ground-Based SAR Interferometry: Analysis of some Experimental Observations**

*Guido Luzi, et al.*

15.30-16.00: Coffee break

16.00-18.00: **Miscellaneous (1) - Chair: M. Abrams**

**Mapping, Monitoring and Re-Constructing Historical Evolution of Eruptive Activity at Nyamulagira, DRC, and its Implications for Hazards**

*Benoît Smets, et al.*

**Improvement of the Knowledge in a VHR Image: Detection of Damaged Buildings on a VHRimage in Peri-Urban Milieu(The case of an earthquake with QUICKBIRD images)**

*Benachir Aniss Hadj, et al.*

**3D THz-Imaging on Simulated Data with a First Test on Real Radar VNA Data in the GHz Domain.**

*Roel Heremans, et al.*

16.00-17.30: **Thermal Remote Sensing (2) - Chair: C. Hecker**

**Modelling Air Temperature via Assimilation of Satellite derived Surface Temperature within the Urban Heat Island Project.**

*Koen De Ridder, et al.*

**Ground Surface Temperatures (GST) Modeling in the Russian Altay Mountains by Using MODIS Land Surface Temperatures (LST).**

*Ruben Van De Kerchove, et al.*

**The Advantages of Thermal Remote Sensing Data for Surface and Subsurfaces Soil Properties Mapping in Desert Environments**

*Seyed Kazem Alavipanah*

19.00: Workshop Dinner: Typical Flemish Cuisine.

**Friday 24 September**

9.00-10.30: **Miscellaneous (2) - Chair: F. Canters**

**Influence of Spatial Resolution and Distribution of Remotely Sensed Impervious Surface Cover on Runoff Prediction in Urbanized Catchments**

*Tomasz Berezowski, et al.*

**LIDAR Data for Urban Land Cover Mapping Based on Decision Tree**

*Yuchu Qin, et al.*

**The use of stereoscopical images taken from a micro-drone for the documentation of Heritage – an example from burial mounds in the Russian Altai.**

*Marijn Henderick, et al.*

9.00-10.30: **Thermal Remote Sensing (3) - Chair: E. Parlow**

**Evaluation of DisTrad Downscaling of MODIS Thermal Products over Dublin**

*Wiesam A. A. Essa, et al.*

**Post-Fire Changes in Land Surface Temperature and Surface Albedo assessed with MODIS**

*Sander Veraverbeke, et al.*

**Dependence of Thermal Infrared Emissivity on Soil Moisture. Field and Laboratory Measurements**

*Maria Mira, et al.*

10.30-11.00: Coffee Break

11.00-12.30: **Remote Sensing for Developing Countries (2) - Chair: E. Parlow**

**Cairo - The Growing of a Mega-City**

*Eberhard Parlow, et al.*

**Using GEOBIA to assess Crown Diameter Classes of Acacia Tortilis in Bou Hedma, Tunisia**

*Kevin Delaplace, et al.*

**Object-Based Classification of a Sclerophyllous Oak Forest in Northwest Yunnan (China) based on High Resolution Satellite Imagery**

*Flore R. Devriendt, et al.*

11.00-12.30: **3D Remote Sensing - Chair: M. Crespi**

**Digital Surface Models in Urban Areas based on Satellite Imagery**

*Karsten Jacobsen, et al.*

**Accuracy Evaluation of DEM extracted from a GeoEye Stereo Pair of Flat Rural Areas for Hydraulic Hazard Analysis**

*Alessio Furini, et al.*

12.30-14.00: Lunch

14.00-15.30: **Remote Sensing for Developing Countries - Chair: R. Goossens**

**ENDELEO, a Web-based Tool to Monitor Vegetation Dynamics in Kenya**

*Flore R. Devriendt, et al.*

**Analyzing Vegetation Change in Relation to Environmental and Socio-Economic Factors in Lower Lancang Watershed, China**

*Zhiming Zhang, et al.*

**Urban Expansion and its Impact on Urban Agriculture – Remote Sensing based Change Analysis of Kizinga and Mzingu Valley – Dar Es Salaam, Tanzania**

*Sandra Eckert*

14.00-15.30: **Radar Remote Sensing (3) - Chair: C. Frey**

**Image Fusion Techniques for the Integration of High Resolution SAR Data and Multispectral Imagery in an Urban Environment – A Statistical Comparison**

*Christian Berger, et al.*

**Identification of Structural Changes caused by Different Type of Damages in Agriculture by Synergistic Use of Optical and Radar Data**

*Gizella Nádor, et al.*

**GPR Time Lapse to Quantify the Subsidence Degree in an Urban Area**

*Giovanni Leucci, et al.*

15-30-16.00: Coffee Break

16.00-16h30: **Special Presentation on Education in 3D-Remote Sensing**

**SEOS:3D-Module and Geomobiel**

*Thérèse Ongena*

16.30-17.00: Closing of the workshops