

## **EARSel Joint Workshop: Remote Sensing - New Challenges of High Resolution**

Wed, 05 Mar 2008    **Track 1**

Room 2a

08:00 Registration

Registration of Participants

10:15 Opening Session

11:00 Keynote Session

Keynote Session

**IMPROVING THE PERFORMANCE OF URBAN PLANNING AND  
MANAGEMENT WITH REMOTE SENSING SYSTEMS**

Richard Sliuzas

11:00 - 11:30

11:30 Lunch

12:45 Session A

3D Remote Sensing

**Orientation of Cartosat-1 Stereo Imagery**

Crespi, Mattia; Francesca Fratarcangeli, Francesca Giannone, Karsten Jacobsen

12:45 - 13:10

**A new strategy for rational polynomial coefficient generation**

Fratarcangeli, Francesca, Mattia Giovanni Crespi, Francesca Giannone

13:10 - 13:35

**Geometric characteristics of digital frame cameras**

Spreckels, Volker; Andreas Schlienkamp, Karsten Jacobsen

13:35 - 14:00

**Jacobsen, Karsten; Mattia Crespi, Francesca Fratarcangeli, Francesca  
Giannone**

Karsten Jacobsen, Mattia Crespi, Francesca Fratarcangeli, Francesca Giannone

14:00 - 14:25

14:25 Coffee Break

14:45 Session B

Urban Remote Sensing

**Mesev, Victor**

Victor Mesev

14:45 - 15:10

## **EARSeL Joint Workshop: Remote Sensing - New Challenges of High Resolution**

**Moeller, Matthias S.; Thomas Blaschke**

Matthias S. Moeller, Thomas Blaschke

15:10 - 15:35

**Heldens, Wieke; Thomas Esch, Stefan Dech**

Wieke Heldens, Thomas Esch, Stefan Dech

15:35 - 16:00

**Zhang Ying, Bert Guindon, Lixin Sun**

Ying Zhang, Bert Guindon, Lixin Sun

16:00 - 16:25

18:00 Ice Breaker Party

## **EARSel Joint Workshop: Remote Sensing - New Challenges of High Resolution**

Wed, 05 Mar 2008    **Track 2**

Room 1

### 12:45 **Session C**

Developing Countries

**Herold, Martin; Jacqueline Sambale, Sean Weaver, Rexon Viranamangga, Robert Eckardt**

Martin Herold, Jacqueline Sambale, Sean Weaver, Rexon Viranamangga, Robert Eckardt

12:45 - 13:10

**Hese, Sören; Christiane Schmallius**

Sören Hese, Christiane Schmallius

13:10 - 13:35

**Dumps and landfull monitoring using high-resolution satellite images**

Aristov, Mihail V.

13:35 - 14:00

**Taubenboeck, Hannes; Joachim Post, Ralph Kiefl, Achim Roth, Guenter Strunz, Stefan Dech**

Hannes Taubenboeck, Joachim Post, Ralph Kiefl, Achim Roth, Guenter Strunz, Stefan Dech

14:00 - 14:25

14:25 Coffee Break

### 14:45 **Session D**

Developing Countries

**Jacobsen, Karsten; Gürcan Büyüksalih**

Karsten Jacobsen, Gürcan Büyüksalih

14:45 - 15:10

**Analysis of Settlement Structures by Means of High-resolution Satellite Imagery in the Megaurban Region of the Pearl River Delta in South China**

Kleinschmit, Birgit; Bodo Coenradie

15:10 - 15:35

**Remote Sensing as a Tool in Generating Statistics for Better Decision-Making to Demographic purposes. State of the Art and Outlook**

Mengue Mbom, Alex; Enimelie Ndiomo, Denise Sandrine

15:35 - 16:00

## **EARSeL Joint Workshop: Remote Sensing - New Challenges of High Resolution**

### **Bio-Geo Database for Ecological Modeling of Himalayas using High Resolution Satellite Data**

Thapa, Rajender; R.K. Sood

16:00 - 16:25

## **EARSel Joint Workshop: Remote Sensing - New Challenges of High Resolution**

Thu, 06 Mar 2008    **Track 1**

Room 2a

8:30    **Session F**

Urban Remote Sensing

**Evaluation of Urban Heat Island in Istanbul through Remote Sensing Techniques**

Basar, Umut Gul; Sinasi Kaya

8:30 - 08:55

**Estimation and phenological monitoring of urban pioneer vegetation based on hyperspectral remote sensing**

Jung, András; Christian Goetze, Cornelia Glaesser

08:55 - 09:20

**Registration of 2D Free-Form Curves Extracted from High Resolution Satellite Imagery using Iterative Closest Point Algorithm**

Vassilaki, Dimitra; Charalabos Ioannidis, Athanasios Stamos

09:20 - 09:45

9:45    Coffee Break

10:15    **Session K**

Developing Countries

**Multi-sensoral analysis of urban trajectories in the megacity of Dhaka, Bangladesh**

Griffiths, Patrick D.; Sebastian van der Linden, Bjoern Waske, Patrick Hostert

10:15 - 10:40

**Analysing the spatial heterogeneity of poverty using remote sensing**

Sliuzas, Richard; Monika Kuffer

10:40 - 11:05

**Improvement in some methodological aspects for a suitable production of a spatio-temporal demographic information for sustainable development of African cities**

Mengue Mbom, Alex; Enimelie Ndiomo, Denise Sandrine

11:05 - 11:30

## EARSeL Joint Workshop: Remote Sensing - New Challenges of High Resolution

11:30 Lunch

12:45 Session G

RADAR Remote Sensing

**"Data Fusion for Urban Remote Sensing: Examples from LIDAR**

Dell'Aqua, Fabio; Gamba, Paolo

12:45 - 13:10

**Feature Extraction and Change Detection for Bridges over Water in Airborne and Spaceborne SAR Image Data**

Cadario, Erich; Karsten Schulz, Hermann Gross, Horst Hammer, Antje Thiele, Ulrich Thoennessen, Uwe Sörgel, Dan Weydahl

13:10 - 13:35

**Brunner, Dominik; Guido Lemoine, Lorenz Bruzzone**

Dominik Brunner, Guido Lemoine, Lorenzo Bruzzone

13:35 - 14:00

**Wegner, Jan Dirk; Uwe Sörgel**

Jan Dirk Wegner, Uwe Sörgel

14:00 - 14:25

14:25 Coffee Break

14:45 Session I

3D remote Sensing

**Devriendt, Dennis; Rudi Goossens, Tharwat K. Ghabour**

Dennis Devriendt, Rudi Goossens, Tharwat K Ghabour

14:45 - 15:10

**Tack, Frederik; Rudi Goossens, Gurcan Buyuksalih, Dennis Devriendt, Alain De Wulf**

Frederik Tack, Rudi Goossens, Gurcan Buyuksalih, Dennis Devriendt, Alain De Wulf

15:10 - 15:35

**Büyüksalih, Gürcan; Karsten Jacobsen**

Gürcan Büyüksalih, Karsten Jacobsen

15:35 - 16:00

19:00 Workshop Dinner

## **EARSeL Joint Workshop: Remote Sensing - New Challenges of High Resolution**

Thu, 06 Mar 2008      **Track 2**

Poster Session and Exhibition

12:45 **Poster Session**

Poster Session and Exhibition

**Monitoring of scrub encroachment on fallow ground in the biosphere reserve of Palatine Forest with high resolution Quickbird data**

Hochschild, Volker; Felix Bachofer, Helmut Schuler

12:45 - 13:10

**Object based detection and classification of roads and vehicles in high resolution optical satellite imagery**

Persie, Mark van; Hein. H.S. Noorbergen, A. Oostdijk

13:10 - 13:35

**Integrated Satellite based GSDC Architecture aim to Improving Collaborative Decision Making Process**

Foroushani, Mansour Ahmadi

13:35 - 14:00

**Detecting land use dynamics, their impacts on natural hazards and vulnerability in the fast growing city of Santiago de Chile with high resolution remote sensing data and GIS**

Ellen Banzhaf, Annemarie Ebert, René Höfer, Ulf Mallast

14:00 - 14:25

## EARSel Joint Workshop: Remote Sensing - New Challenges of High Resolution

Fri, 07 Mar 2008      **Track 1**

Room 2a

### 8:30 Session G

RADAR Remote Sensing

**Schättler, Birgit; Thomas Fritz, Helko Breit, Ulrich Balss, Nico Adam, Michael Eineder, Marie Lachaise, Dana Floricioiu**

Birgit Schättler, Thomas Fritz, Helko Breit, Ulrich Balss, Nico Adam, Michael Eineder, Marie Lachaise, Dana Floricioiu

8:30 - 08:55

**Thiel, Michael; Thomas Esch, Stefan Dech**

Michael Thiel, Thomas Esch, Stefan Dech

08:55 - 09:20

**Klonus, Sascha; Pablo Rosso, Manfred Ehlers**

Sascha Klonus, Pablo Rosso, Manfred Ehlers

09:20 - 09:45

### 9:45 Coffee Break

### 10:15 Session J

3D Remote Sensing

**Redweik, Paula; Fernando Marques, Rita Matildes**

Paula Redweik, Fernando Marques, Rita Matildes

10:15 - 10:40

**Seeling, Stephan; S. Borens, T. Funkenberg, S. Hubert, C. Dach**

Stephan Seeling, S. Borens, T. Funkenberg, S. Hubert, C. Dach

10:40 - 11:05

### 11:05 Closing Session

Closing Ceremony and Farewell

### 11:30 Lunch

## **EARSel Joint Workshop: Remote Sensing - New Challenges of High Resolution**

Fri, 07 Mar 2008      **Track 2**

Room 1

8:30    **Session E**

Urban Remote Sensing

**Sulzer, Wolfgang; Katharina Kern**

Wolfgang Sulzer, Katharina Kern

8:30 - 08:55

**Mucsi, László; Zalán Tobak, Boudewijn van Leeuwen, József Szatmári, Ferenc Kovács**

László Mucsi, Zalán Tobak, Boudewijn van Leeuwen, József Szatmári, Ferenc Kovács

08:55 - 09:20

**IMALYS: a software tool for object-based image analysis and the evaluation of ist segmentation capabilities**

Reinhold, Markus; Peter Selsam, Evenlin Matejka

09:20 - 09:45

9:45    Coffee Break

10:15    **Session L**

Developing Countries

**Studying and modeling of degradation of soils on the territory of Ukraine using remote sensing and GIS technologies**

Aristov, Mihail V.

10:15 - 10:40

**Predicting and preventing urban malaria in sub-Saharan Africa: why not Google Earth?**

Ngom, Roland; Alexander Siegmund

10:40 - 11:05