

GIS Ostrava 2013 - Geoinformatics for City Transformations Programme

Monday 21st January

9:00 – 12:00: Excursion National Transport Information and Control Centre **

10:00 – 12:00: Workshop GEODIS: Data mining ** (room NA3)

13:00 – 13:15: **Symposium opening** (room NA1)

13:15 – 15:00: **Keynote lessons** (room NA1)

- Paul Longley (University College London, GB): *Twelve years of Geographic Information Systems and Science*
- Dieter Fritsch (Universität Stuttgart, DE): *Towards fully automated 3D city model generation - from air, terrestrial and mobile*
- Kiril Stanilov (Cambridge University, GB): *The challenges facing Eastern and Central European cities in the beginning of the 21st century*
- Lena Halounová (Czech Technical University in Prague): *International Society for Photogrammetry and Remote Sensing and Czech Republic*

15:00 – 15:30: Coffee break

15:30 – 17:00: Session **Distances in the City** (room NA2; James Cheshire)

- Soini Jari: *Pilot system for transport confirmation with location awareness*
- Mudron Ivan: *Pedestrian network design and optimisation based on pedestrian shortcuts and needs*
- Paulovičová Ivica: *The Bratislava public transport in network analysis*
- Ivan Igor: *Localisation of interchange nodes in the regional cities of the Czech Republic*

17:00 – 17:30: Coffee break

17:30 – 19:00: Session **Data in the City** (room NA2; Dieter Fritsch)

- Steele Daniel: *The Sensor City Initiative: cognitive sensors for soundscape transformations*
- Ruiz Luis A.: *Multi-level object-based urban mapping from remote sensing and GIS data*
- Ismaila Abdurrahman Belel: *Evaluating land use cover change in rapidly urbanizing Nigeria: case study of Yola, Adamawa State*
- Shanmugam Sanjeevi: *Remote sensing and field studies to evaluate the performance of groyne in protecting an eroding stretch of the coastal City of Chennai*

19:00 – 21:00: Welcome drink

** in Czech language

Tuesday 22nd January

9:30 – 10:30: Session **Development of the city 1** (room NA2; Jiří Horák)

- Cengiz A. Emre: *Comparison of 3D construction visualization methods to provide visual support in GIS environment for the construction projects*
- Czepkiewicz Michał: *'Lean' Public Participation GIS: towards a sustainable tool for participatory urban planning*
- Duncan Edward: *A unified 3D cadastre data model – a geometric approach*

10:30 – 11:00: Coffee break

10:30 – 12:00: **Workshop with Prof. Dieter Fritsch** on New Developments in Terrestrial Laser Scanning (intended mainly for students) (room NA4)

11:00 – 12:00: Session **Development of the city 2** (room NA2; James Cheshire)

- Vondráková Alena: *Dasymetric mapping as an analytical tool for the city development identification and its cartographic visualization*
- Jakab Imrich: *The use of viewshed analysis in creation of maps of potential visual exposure*
- Kazak Jan: *Indicator-based environmental assessment of spatial planning and policies with the use of CommunityViz*

12:00 – 13:00: Light lunch

13:00 – 13:30: **Poster session**

13:30 – 15:00: Session **Divergence in the City + Spatial Processing for the City 1** (room NA2; Paul Longley)

- Horák Jiří: *Quantitative evaluation of socially excluded localities. Case study of Ostrava city.*
- Kauko Tom: *Self-organizing map algorithms to identify sustainable neighbourhoods with an example of Szeged (Hungary)*
- Djuric Uros: *Land-use suitability analysis of Belgrade city suburbs using machine learning algorithm*
- Hlaváčová Ivana: *Deformation monitoring with semi-automatic processing of InSAR artificial reflector data*

13:30 – 15:00: **Workshop with Dr. Kiril Stanilov** on Tracing metropolitan growth (intended mainly for students) (room NA4)

15:00 – 15:30: Coffee break

** in Czech language

15:30 – 16:30: Session **Spatial Processing for the City 2** (room NA2; Kiril Stanilov)

- Kaňuk Ján: *Using virtual 3-D city models in temporal analysis of urban transformations*
- Bajat Branislav: *Assessing similarities between planned and observed land use maps: the Belgrade's municipalities case study*
- Arefi Hossein: *Building extraction using surface model classification*

16:30 – 18:30: **Workshop with Prof. Paul Longley** on 'A name is a statement'.
Linking real and virtual identity through geodemographics (room NA3)

18:30 – 19:00: **Poster Award Ceremony**

19:00 - 22:00: Banquet

Wednesday 23rd January

9:00 – 13:00: **Sightseeing tour Ostrava**

9:00 – 10:30: **Workshop with Dr. James Cheshire** on Sensing the City: Mapping and Analysing London's Population Data Flows (room NA5)

9:00 – 10:30: **Workshop with Prof. Paul Longley** for students (room NA4)

9:30 – 10:30: Session **Vývoj GIS aplikací** ** (room NA1)

10:30 – 11:00: Coffee break

11:00 – 13:00: Session **Vývoj GIS aplikací** ** (room NA1)

13:00 – 13:30: **Symposium GIS Ostrava 2013 closing ceremony** (room NA1)

10:00 – 15:00: **Workshop ARCDATA Praha** ** (room NA3)

12:00 – 15:00: **Excursion Integrated Emergency Centre** **

** in Czech language