

# GIS Ostrava 2014 –

## Geoinformatics for Intelligent Transportation

### Programme

#### Monday 27<sup>th</sup> January

9:00 – 12:00: Excursion: **National Transport Information Centre** \*\* (departure from the meeting point – see map below)

10:30 – 12:00: Workshop: **Floating Car Data**. (room NA3; Pavel Hrubeš)

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

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

- James Haworth (University College London): *Spatio-Temporal Analytics of Network Data*
- Bin Jiang (University of Gävle): *Ht-Index for Characterizing Street Hierarchy*
- Itzhak Benenson (Tel-Aviv University): *Transport Accessibility from a Human Point of View*
- Pavel Hrubeš (Czech Technical University in Prague): *Geographic Information Systems and Applications in Intelligent Transport Systems*

15:15 – 15:45: Coffee break

15:45 – 17:15: Session **Transport modelling** (room NA2; Itzhak Benenson)

- Caha Jan, Dvorský Jiří: *Optimal path problem with possibilistic weights*
- Kolisko Pavel: *Examples of the implementation of fuzzy models in tourism in the South Moravian region*
- Benenson Itzak: *Micro-Simulation of the Car-Pedestrian Road Accidents*
- Dias Daniela et al.: *Impact of road transport on urban air quality: GIS and GPS as a support for a modelling framework*
- Dobešová Zdena, Hybner Radek: *Optimal placement of the bike rental stations and their capacities in Olomouc*

17:15 – 17:45: Coffee break



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

\*\* in Czech language

17:45 – 19:15: Session **Sensor data and services** (room NA2; James Haworth)

- Boori Mukesh, Ferraro Ralph: *Global Land Cover classification based on microwave polarization and gradient ratio (MPGR)*
- Hron Vojtěch, Halounová Lena: *Automatic generation of 3D building models from point clouds*
- Pinho Fábio, Carvalho Alexandre, Carreira Rui: *Improving Geolocation By Combining GPS With Image Analysis*
- Hübnerová Jitka: *Towards a solution for the public web-based GIS monitoring and alerting system*
- Andziulis Arunas et al.: *Investigation of sonar stabilisation method for improved seafloor image quality*

19:15 – 20:15: Welcome drink

## **Tuesday 28<sup>th</sup> January**

9:00 – 10:30: Workshop: **Spatio-Temporal Analytics of Network Data** (room NA2, James Haworth)

10:30 – 11:00: Coffee break

11:00 – 12:00: Session **Intelligent transport systems** (room NA2; Pavel Hrubeš)

- Kurowska Krystyna, Kryszk Hubert, Kietlinska Ewa: *Photovoltaics as an element of inteligent transport system development*
- Feng Tao, Timmermans Harry J.P.: *Detecting spatial and tempoval route information of GPS traces*
- Zajíčková Lenka: *Mobile application for acquiring geodata on public transport network*

12:00 – 13:00: Lunch

13:00 – 15:00: Session **Transport planning and accessibility** (room NA2; Bin Jiang)

- Konecny Gottfried: *Status of Mapping in the World*
- Ivan Igor, Horák Jiří: *Demand and supply of transport connections for commuting in the Czech Republic*
- Holubec Vladimír, Halounová Lena: *Relationship between average road traffic and particular statistical indicators of urban development of cities in the Czech Republic*
- Horák Jiří, Ivan Igor, Fojtík David: *Time of day dependency of public transport accessibility in the Czech Republic*
- Stępnia Marcjan, Rosik Piotr: *The impact of data aggregation on potential accessibility values*
- Šafář Václav, Šmejkal Zdeněk: *The accuracy of digital models for road design*

15:00 – 15:30: Coffee break

\*\* in Czech language

15:30 – 16:30: Session **Transport planning and accessibility** (room NA2; Gottfried Konecny)

- van der Waerden Petrus, Timmermans Harry, van Hove Lies: *GPS Data and Car Drivers' Parking Search Behavior in the City of Turnhout, Belgium*
- Paulovičová Ivica et al.: *Urban heartbeats (Daily cycle of public transport intensity)*
- Jánošíková Ludmila, Kreml Michal: *Train platforming problem*

16:30 – 17:00: Coffee break

17:00 – 18:30: Workshop: **Research behind Axwoman 6.0: An ArcGIS Extension for Urban Morphological and Streets Related Studies** (room NA2, Bin Jiang)

18:30 - 22:00: Banquet

### **Wednesday 29<sup>th</sup> January**

9:00 – 12:00: Excursion: **Sightseeing tour Ostrava** (departure from the meeting point – see map below)

10:00 – 12:00: Workshop: **Application of satellite InSAR for monitoring highway deformations** (room J423, Milan Lazecký)

10:30 – 11:00: Coffee break

12:00 – 15:00: Excursion: **Airport Ostrava-Mošnov** – aircraft and helicopter flight simulators, aircraft repair centre (departure from the meeting point – see map below)

12:30 – 13:00: **Symposium GIS Ostrava 2014 closing ceremony** (room NA1)

\*\* in Czech language



1: New Hall (NA1, NA2, NA3, NA4, NA5)

2: Rooms J423, J424, J339, J259

3: HOTEL

4: Parking - meeting point (Bus for excursion leaves from this place)

**All other information (including maps and information about Ostrava) is available at the panel next to the registration desk in the New Hall.**

\*\* in Czech language