



**VSB - Technical University of Ostrava**  
**Faculty of Mining and Geology**  
**Institute of Geoinformatics**

**in partnership with**

**Czech Association for Geoinformation**

**Slovak Association for Geoinformatics**

**International Society for Photogrammetry and Remote Sensing**

**organize under auspices of**

**Prof. Tomas Cermak, CSc., Rector of VSB-TU Ostrava**

**Prof. Vladimir Slivka, CSc., Dean of FMG, VSB-TU Ostrava**

**Dipl. Eng. Jaroslav Palas, President of the Moravian-Silesian Region**

**Symposium**  
**GIS Ostrava 2010**

**24. - 27.1.2010**

***GIS meets Remote Sensing and Photogrammetry towards Digital World***

**1st circular**  
**Call for papers**

<http://gis.vsb.cz/gis2010/>



Data and services provided by space and aerial agencies become an integral part of geographical information systems. A development of the Earth Observation technologies and related image processing offer still wider supply of high resolution data, new radar systems, satellite sensors for medium or small resolution with many spectral bands and outstanding parameters. Commercial producers play the important role, but also members of space society such as India or China generate many activities. The European Union develops the GMES programme including (among others) design of new satellites, which would be applied for improved environmental and citizens' security monitoring. Similarly, laser scanning becomes more available and its application within large projects is under preparation.

The phenomenon of the Digital World like the Google Earth and other virtual models encourages development of new mobile systems of data collection capable to record 3D reality.

These trends are supplemented by actual development of location and navigation systems, telematics and various sensor networks.

How does this rapid progress influence the development of GIS? Do any new applications really utilise all possibilities brought by new systems? Is the Digital World efficiently designed? Are we able to effectively analyse large volumes and flows of these new types of data? Is the Geoinformation Infrastructure ready for deployment of these systems?

In 2010 the ISPRS will celebrate the centenary since its foundation by Eduard Dolezal, the first photogrammetry professor in Vienna. The future of photogrammetry and remote sensing is also the future of geoinformation technologies.

Jiri Horak  
Chairman

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The Symposium incorporates two session threads, the Research session held in English language and the Application session held in Czech and Slovak language.

## Research session topics

- ❖ Remote Sensing and Photogrammetry of Land Use and Land Cover
- ❖ Imaging Spectroscopy
- ❖ Interferometry
- ❖ Spatial Analyses and Modelling in GIS
- ❖ Digital Elevation Models
- ❖ 3D Modelling
- ❖ Linking GIS and Hydrological Modelling
- ❖ Conceptual Modelling in GIS
- ❖ Visualisation
- ❖ Open GIS, Open Source GIS
- ❖ GeoWeb
- ❖ Web Services
- ❖ Ontology and Semantic Web
- ❖ Mobile GIT and Telematics
- ❖ GNSS, GPS
- ❖ Location Based Services
- ❖ Geosensors
- ❖ Data Quality, Data Fusion and Harmonisation
- ❖ Spatial Data Infrastructure
- ❖ Spatial Databases
- ❖ Data Mining for Spatial Data
- ❖ Disaster and Risk Management
- ❖ Secure GIT Application

Discounted conference fee can be claimed if the full paper is submitted not later than November 15, 2009. The discounted fee is applicable for an author only, not for co-authors.

For the abstract submission, please, complete the Registration Form on the symposium website [gis.vsb.cz/gis2010](http://gis.vsb.cz/gis2010).

The acceptance/rejection of submitted paper(s) will be based on the review result.

All accepted papers will be published in the conference proceedings with ISBN. The authors of the best selected papers will be invited to contribute to the anticipated book „**Advances in Geoinformation Technologies 2010**“, published by July 2010.

## Important dates

**September 15, 2009**

**October 15, 2009**

**November 15, 2009**

**December 15, 2009**

**December 15, 2009**

deadline for abstract submission (min. 200 words)

notice of abstract acceptance

deadline for full papers submission for the Research session

deadline for camera ready version

end of early and author's registration (discounted fees)

## Programme committee

Assoc. Prof. Jiri HORAK – chairman  
Prof. Can AYDAY  
Prof. Ales CEPEK  
Dipl. Eng. Otakar CERBA  
Dr. Daniela DURAKOVA  
Assoc. Prof. Lena HALOUNOVA  
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## Organizing committee

Dipl. Eng. Lucie Hrubá  
Dr. Tomas Penaz  
Assoc. Prof. Jiri Horak

## Correspondence Address

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## Conference secretariat

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## Registration fees

Early registration (not later than December 15, 2009)  
Registration (later than December 15, 2009)  
Author's registration (not later than December 15, 2009)  
Full-time students without conference service  
Full-time students with conference service

**110 EUR**  
**130 EUR**  
**80 EUR**  
**Free**  
**40 EUR**

The symposium registration fee covers conference sessions, conference proceedings, coffee breaks with refreshment and a social event (banquet).

## Preliminary programme

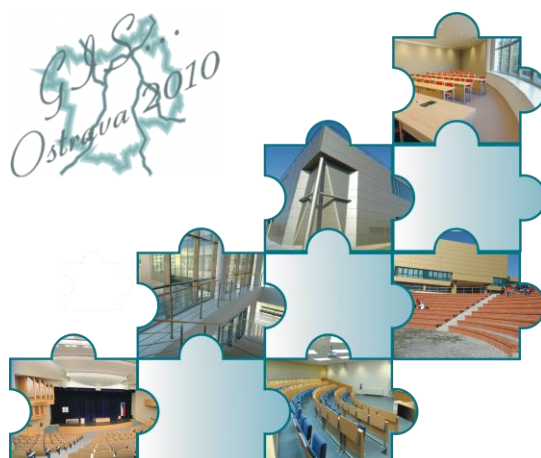
<b>January 25, 2010</b>	afternoon	opening ceremony, 2 parallel sessions social event
<b>January 26, 2010</b>	morning	2 parallel sessions
	afternoon	2 parallel sessions
<b>January 27, 2010</b>	morning	2 parallel sessions closing ceremony

**Social event** (banquet) will be held on January 25, 2010 at 7 p.m. at VSB-TU Ostrava campus.

## Venue

The symposium will be held at VSB – Technical University of Ostrava campus, the New Hall building.

For registration and more actual information, please, visit <http://gis.vsb.cz/gis2010>



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