

## First Announcement

# International Symposium High Mountain Remote Sensing Cartography IX

September 14 - 22, 2006  
Graz and Hohe Tauern National Park (Austria)



<http://www.uni-graz.at/geowww/hmrsc/hmrsc.htm>

### Terms of Reference:

- Bi-annual Symposium: (1) Paper and poster presentation (September 14 - 15, 2006)  
(2) Field excursion (integral part of each symposium, September 16 - 22, 2006)

### **General topic:**

- Application of *remotely sensed image data* (terrestrial, airborne, spaceborne) and other collateral data for information extraction in high mountain areas;
- and *cartographic representation* of this data/information in maps (analogue, digital, line maps, image maps, combined image-line maps, etc.) and GIS-based environments;
- and application-oriented analysis.

### **Emphasis is put on inter-disciplinarily:**

- Persons interested in geosciences (geographers, geologists, geomorphologists, glaciologists, etc.), cartographers, photogrammetrists, remote sensing experts, computer experts, biologists, tourism agents, regional planners, etc.
- Give a platform for young scientists (post-graduate students, PhD-students, post-docs, etc.).
- Give a forum to decision makers (tourism agents, park managers, regional planners, environmental activists) to learn about HMRSC.

### **Field excursion:**

- Come to know an interesting high mountain region.
- Discussion of application oriented projects carried out in this region.
- Field guide, handouts, explanation by experts, usage of image data and maps, in-situ studies.
- Discussion, social contacts, sharing common interests, e.g. high mountain scenery, meeting mountain people, experiencing other cultures, etc.

### **Special topics:**

- Remote Sensing techniques (digital photogrammetry, digital classification and feature extraction, terrestrial and airborne laser scanning, high-resolution imaging from space (digital and analogue), radar, etc.)
- Morphological mapping (classification of morphological units, mass movements, rock falls, landslides, mapping of photo lineaments and geological units, etc.)
- Monitoring of environmental and global change (snow, ice, climate, vegetation, land cover, biodiversity, landscape ecology, disasters, etc.)
- Permafrost studies (permafrost distribution, permafrost modelling, etc.)
- Rock glacier monitoring (surface deformation, quantification of creep)
- High mountain cartography (paper maps, digital maps, interactive maps, etc.)
- 3D relief depiction
- Human impact (contribution of RS and cartography to topics related to human activities: tourism, mining, housing, etc.)
- Sustainable development and planning purposes
- Hybrid solutions of GIS and RS
- Methodological improvements concerning HMRSC

### **Conference chairs and organizing committee:**

- Dr. Viktor Kaufmann  
(Institute of Remote Sensing and Photogrammetry, Graz University of Technology)
- Dr. Wolfgang Sulzer  
(Institute for Geography and Regional Science, University of Graz)
- Prof. Dr. Mathias Schardt  
(Head of Institute of Remote Sensing and Photogrammetry, Graz University of Technology)
- Prof. Dr. Friedrich Zimmermann  
(Vice Rector for Research, University of Graz, Head of Institute for Geography and Regional Science)

### **Further information & contact**

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