

## 2<sup>nd</sup> Innsbruck Summer School of Alpine Research 2017 - Close Range Sensing Techniques in Alpine Terrain

In July 2017 the 2<sup>nd</sup> edition of the summer school on close-range sensing techniques in alpine terrain took place at the Obergurgl University Centre (Austria) in the middle of the Alps. The summer school was hosted by the University of Innsbruck, the Austrian Academy of Sciences and the ISPRS. 39 international early career scientists could work on selected topics from environmental monitoring in high mountain areas such as rock face mapping, vegetation monitoring, 3D change detection of landslides and rock glaciers and riverbed erosion. The summer school is framed with selected Keynotes, which were this year:

- Laser scanning and challenges in alpine research (Norbert Pfeifer)
- Terrestrial photogrammetry for glacier monitoring at high spatial and temporal resolution (Hans-Gerd Maas)
- The Copernicus Programme and European Earth Observation activities from space (Thomas Geist)
- Natural hazards in mountainous environments – assessing hazards and risk (Cees van Westen)
- Monitoring high mountain Asia by remote sensing – Sentinel 2 and related data (Roderik Lindenbergh)

The participants were introduced to different sensors and platforms such as terrestrial laser scanning, terrestrial photogrammetry, and UAV and thermography. During the summer school they worked the whole week together in study groups on a sensor-related mapping and monitoring assignment combining project planning, field data acquisition, data processing and presentation.

<https://www.uibk.ac.at/geographie/summerschool/>

<http://www2.isprs.org/commissions/comm2/wg10.html>

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