

### **3rd international Summer School on Close-range Sensing Techniques in Alpine Terrain (Oberurgl, Austria)**

The third edition of the international Innsbruck Summer School of Alpine Research - Close Range Sensing Techniques in Alpine Terrain took place in June 2019 in Oberurgl (Tyrol, Austria). The University of Innsbruck and the Austrian Academy of Sciences organise the summer school under the umbrella of ISPRS on a bi-annual basis. After a selection procedure forty international young scientists had the opportunity to study and test different sensing techniques and analyse the acquired data sets in a high mountain research and environmental monitoring context (e.g. fluvial erosion quantification, gravitate slope process monitoring and vegetation mapping). Invited experts gave theoretical inputs in their keynote lectures comprising topics from photogrammetry, remote sensing, geomatics, geo- and biosciences. The summer school provided a large set of sensors, which were available on-site for practical training. During the week participants worked on a research assignment comprising project planning, data acquisition in the field, processing, analysis and presentation of results.

#### **Keynotes**

Past, Current and Future Developments in Photogrammetry. Fabio Remondino, 3D Optical Metrology, Fondazione Bruno Kessler, Italy

Laser Scanning and Challenges in Alpine Research. Norbert Pfeifer, Department of Geodesy and Geoinformation, TU Vienna, Austria

Biogeomorphology in the Anthropocene. Heather Viles, School of Geography and the Environment, University of Oxford, United Kingdom

Addressing Biophysical Feedbacks to Climate at Small Spatial Scales – the EcoBot Concept. Georg Wohlfahrt, Institute of Ecology, University of Innsbruck, Austria

Combining Remote Sensing and Geoscience Data as the Framework for Virtual Field Trips. Simon John Buckley, NORCE – Norwegian Research Centre, Norway

ICECUBES – Observing the Ice of our Planet with Daily Cubesat Imagery. Bas Altena, Department of Geosciences, University of Oslo, Norway

#### **Proceedings**

Rutzinger, M. and Heinrich, K. (eds): Close Range Sensing Techniques in Alpine Terrain. Proceedings of the Innsbruck Summer School of Alpine Research 2019, 16.-22.06.2019 in Oberurgl, Austria. IGF-Forschungsberichte, 8, 2019. DOI: 10.1553/IGF-8 (<https://epub.oeaw.ac.at/?arp=0x003acd51>)

#### **Link**

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

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