



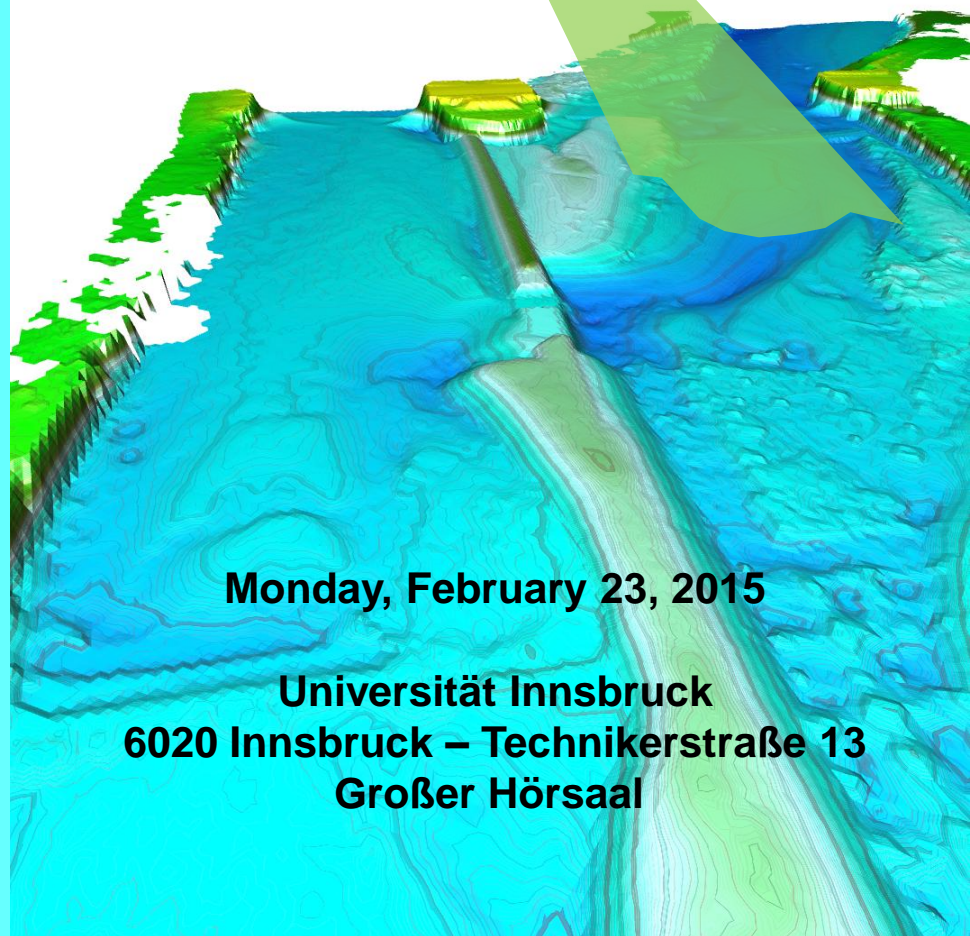
Scientific Partners:



Industrial Partners:



River Surveying From the Air



Monday, February 23, 2015

Universität Innsbruck
6020 Innsbruck – Technikerstraße 13
Großer Hörsaal

PROGRAM

8:00 – 9:00

Registration

9:00 – 9:20

Greetings and Introductions

9:20 – 10:35

Aerial survey techniques and field measurements (session lead: Prof. Hanke)

- Hydrographic Airborne Laser Scanning for the precise and high-resolution measurement of rivers and banks (Dr. Pfennigbauer / Riegli)
- Aerial Hydraulic surveying - capabilities and limitations in practice (DI Steinbacher / AHM)
- Georeferencing and terrestrial verification of the LIDAR data (Prof. Hanke / UIBK)

Coffee break with thematic bar tables

10:50 – 12:30

Data processing and data management (session lead: Prof. Pfeifer)

- Laserbathymetry for natural rivers: from the point cloud to DTM (Dr. Mandlbauer / TU Wien)
- Topo bathymetric data processing in HydroVISH – Workflow (Dr. Baran / AHM)
- Topo bathymetric point clouds: Analysis and implications for data processing (DI Wieser / TU Wien)
- New challenges of mass data processing and management – how do I get access to topo bathymetric data sets? (DI Ritter; Dr. Bengler / AHM)

Lunchtime with thematic bar tables

13:30 – 15:10

Evaluation (session lead: Prof. Aufleger)

- Topo bathymetry in water management - point numerical visualization (Dr. Dobler / AHM)
- Opportunities for discharge simulations in mountain streams based on riverbed surface surveying (DI Wörndl / UIBK)
- Investigations on the use of high-resolution bathymetry data in the 2D-runoff simulation with the example of a gravel bed river (DI Jocham / UIBK)
- Possible uses for high resolution river geometry – data used for modelling of ecological questions) (DI Senfter / Revital)

Coffee break with thematic bar tables

15:30 – 17:00

Case studies from practice (session lead: DI Stäuble)

- AAHM - The applications of the Comet-K project: First evaluation and achievement of goals of the project partners (DI Steinbacher / AHM)
- The use of laser scan data in Munich (Dipl.-Ing. Schaufuß / Stadt München)
- By plane and boat: the high resolution survey of the Boden Lake (Dr. Wessels / LUBW)

TABLE OF CONTENTS

The water surveying from the air with the aid of suitable laser scanning systems has become established very quickly. During the workshop, the possibilities and limitations of the technology will be shown and discussed.

ORGANISATION

Registration until February 15, 2015 via Email: wasserbau@uibk.ac.at

Fee: € 80 Euro (catering included)

Payment after invoice

DIRECTIONS / ADDRESS

Technikerstraße 13, 6020 Innsbruck, Großer Hörsaal

