

PHD STUDENT SESSION 26.04.2017

PhD students present their current work in progress and discuss their findings with other PhD students, university professors and practitioners at this special session of the [International Course on Engineering Geodesy](#). This session will take place in a lecture room of the geodesy building of TU Graz (Steyrergasse 30, 8010 Graz). The presentations are held in English and the discussions are in English or German. Each presentation lasts 30 minutes and is followed by a 15-minutes question and answer session.

This session is supported by the Department Engineering Geodesy of the German Geodetic Commission ([Abteilung Ingenieurgeodäsie der DGK](#)).

Wednesday 26.04.2017

08:30 - 09:00: Welcome and Introduction, Chair: Werner Lienhart (TU Graz), Heiner Kuhlmann (University of Bonn)

09:00 - 10:30: Session 1, Chair: Prof. Ingo Neumann (Leibniz University Hannover)

Knowledge-based indoor geo-referencing with kinematic multi-sensor systems
Sören Vogel (Leibniz University Hannover)

Influence of the uncertainty budget on B-Spline curve estimation
Xin Zhao (Leibniz University Hannover)

10:30 – 11:00 Coffee Break

11:00 - 12:30: Session 2, Chair: Prof. Volker Schwieger (University of Stuttgart)

Rock surface roughness estimation using TLS data
Maja Bitenc (TU Graz)

Determination of E-modules of wooden objects by TLS
Annette Schmitt (University of Stuttgart)

12:30 - 13:30: Lunch Break

13:30 - 15:00: Session 3, Chair: Prof. Hans Neuner (TU Wien)

System Identification of a Robot Arm with an Extended Kalman Filter and an Artificial Neuronal Network

Sabine Horvath (TU Wien)

Testing the possibilities of Locata positioning system for determination of long and short term displacements of constructions

Igor Grgac (University of Zagreb)

15: 00 – 15:30 Coffee Break

15:30 - 17:00: Session 4, Chair: Prof. Heiner Kuhlmann (University of Bonn)

Development of a test field for the calibration and evaluation of kinematic multi sensor systems

Erik Heinz (University of Bonn)

An adaptive statistical learning model for fingerprinting based WIPS

Caifa Zhou (ETH Zurich)

17:00 - 17:15: Final Discussion and Session Closure

Evening: Ice Breaker Party