

21. Bilateral Student Workshop CTU Prague - HTW Dresden  
Dresden, December 15-16 2017

## User Interfaces & Visualization

### Friday, Dec. 15 HTW Dresden, Library Room B302

9:00 – 10:00 Breakfast at HTW Cafeteria and PAB

Chair: Markus Wacker

10:00 – 10:15 **Hans Böhme (HTW):** *Opening*

10:15 – 10:40 **Michaela Riganova (CTU):** *Crowdsourcing Urban Accessibility: How to attract large user base and obtain precise data*

10:40 – 11:05 **Dominika Palivcova (CTU):** *SuSy: Surveillance System for Hospitals*

11:05 – 11:30 **Sven Otte (CTU):** *Registration and analysis of human rowing motions*

11:30 – 11:55 **Stefanie Gassel (HTW):** *Detailed Modeling of Human Body in Motion*

12:00 – 13:30 Lunch at the Mensa Reichenbachstraße

Chair: Pavel Slavik

13:30 – 13:55 **Jakub Váca (CTU):** *Design of personal pill reminder for elderly and blind users*

13:55 – 14:20 **Václav Pavlovec (CTU):** *External labeling of non-convex areas*

14:20 – 14:45 **Evelyn Zinnatova (HTW):** *Touch model for blind people to perceive printed graphics*

14:45 – 15:10 **André Minz (HTW):** *VR in TSD – Virtual Reality for usability experiments with a tour-guide robot*

15:10 – 15:40 Coffee break

Chair: Sven Hellbach

15:40 – 17:00 **Demonstrations: Robots August/Anna, VR Application**

19:00 Dinner at restaurant Dschingis Khan, Wiener Platz, near center railway station

### Saturday, Dec. 16 HTW Dresden, Library Room B302

Chair: Zdeněk Míkovec

10:00 – 10:25 **Jakub Berka (CTU):** *Navigation of visually impaired people in urban areas with environment transitions and use of public transportation*

10:25 – 10:50 **Barbora Endrštová (CTU):** *Preferences of visually impaired older adults regarding audio content consumption: A user study and design concept*

10:50 – 11:15 **Roman Janovský (CTU):** *Operator Station for Visualization and Control of Autonomous Unmanned Vehicles*

11:15 – 11:40 **Michael Bommhardt (HTW):** *Real-time documentation of pile dwelling fields using V-Slam*

11:40 – 12:00 **Closing of the regular workshop and coffee break**

12:00 – 13:30 **Organizers Meeting**

13:30 – 14:00 **Closing**