



Workshop on Application of UAVs in the Environmental Sciences

The workshop „Application of UAVs in the Environmental Sciences“, hosted at the Technische Universität Dresden in Dresden, Germany is an event organized along the lines of the new open access teaching book “[UAVs for the Environmental Sciences](#)”, which has been edited by the DFG network [UAV4Env](#) and which will be presented the first time at the workshop. The workshop is held in cooperation with the annual conference of the German Society for Photogrammetry, Remote Sensing and Geoinformation (DGPF; [DGPF Annual Conference](#)). The event is sponsored by the DGPF and DFG.

Anette Eltner, Dirk Hoffmeister, Andreas Kaiser, Pierre Karrasch, Lasse Klingbeil, Claudia Stöcker and Alessio Rovere

Venue

[Pullman Hotel Dresden Newa](#)

Prager Straße 2c

01069 Dresden

Date

Tuesday, October 4th 2022



supported by

German Society for Photogrammetry, Remote Sensing and Geoinformation (DGPF) e.V

08:30 [Registration](#)

09:00	Introduction
09:15	Legal Considerations of UAV flights <i>Claudia Stöcker, Westfälische Wilhelms-Universität Münster</i>
09:45	Georeferencing UAV measurements <i>Lasse Klingbeil, Universität Bonn</i>
10:15	UAV - laser scanning <i>Gottfried Mandlbürger, Technische Universität Wien</i>

10:45 [Coffee break](#)

11:15	Multi- and Hyper-spectral imaging <i>Moritz Kirsch, Helmholtz Zentrum Dresden Rossendorf</i>
11:45	Thermal-infrared imaging (video presentation) <i>Emile Faye, CIRAD</i>
12:15	Analysis of Imagery - Automatic extraction of semantic information <i>Claudio Persello, University of Twente</i>

12:45 [Lunch break](#)

14:00	Image sequence processing <i>Anette Eltner, Technische Universität Dresden</i>
14:30	UAVs in forestry <i>Livia Piermattei, University of Oslo</i>
15:00	UAVs in Geomorphology & Agriculture <i>Dirk Hoffmeister, Universität zu Köln</i>
15:30	Concluding remarks

15:45 [Coffee break](#)

16:15	Postersession
-------	-------------------------------

19:00 [Icebreaker with the DGPF](#)

