

Contact Information

For any questions or inquiries about the event, please don't hesitate to reach out to:

Dr. Milena Markovic
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Registration and Program

We're excited to invite you to our workshop! Please note that attendance is free of charge, but spaces are limited. To secure your spot, register on our event website by **January 21st, 2026**.

The event website also features the latest updates and a detailed program for the workshop. We recommend checking it regularly for any updates.

Get Connected

www.hs-anhalt.de/dfg-ftir or scan the QR code to register and access the program.



Accommodation

Information about travel and hotels can be found at the website.

We Look Forward to Meeting You!

Organizers

Hochschule Anhalt, Fachbereich Landwirtschaft, Ökotropologie und Landschaftsentwicklung

Program Committee

Prof. Dr. Uwe Knauer, Prof. Dr. Marion Pause,
Dr. Bastian Sander, Dr. Milena Markovics



**Research and applications
of airborne FTIR spectroscopy
for the environment**

Workshop
22nd / 23rd January 2026

Research and applications of airborne FTIR spectroscopy for the environment

Imaging thermal remote sensing plays an increasing role for current and future earth observations which is mainly driven by climate change and requirements for climate adaption of landscapes, urban areas and to improve resource efficiency. Beside research on broad band thermal infrared observations, imaging hyperspectral thermal remote sensing using narrow band observations are unexplored in environmental sciences. A novel technology for hyperspectral remote sensing of the long-wave infrared is provided by Fourier-transform infrared spectroscopy (FTIR). Since summer 2024 an imaging airborne FTIR sensor (Telops Hyper-Cam Airborne Mini/ Hyper-Cam) is available for environmental research at Anhalt University of Applied Sciences in Germany (funded by the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) – 514067990). The workshop will play a key role for initiating research (proposal writing and scientific publication) related to imaging airborne FTIR for environmental sensing and monitoring.

Topics:

Fundamentals of Remote Sensing in the LWIR | Hypercam Airborne Mini | Processing of FTIR spectroscopy data | collaboration and future projects

Program, 21 January 2026

11:30 a.m.

Registration (lunch option)

12:30 a.m.

Opening

13:00 p.m.

[Session 1:](#)

Fundamentals of Remote Sensing in the LWIR

14:30 p.m.

coffee break

15:00 p.m.

[Session 2:](#)

Sensors and Platforms

16:30 p.m.

coffee break

16:45 p.m.

[Session 3:](#)

Hypercam Airborne Mini

18:15 p.m.

End of Day 1

19:00 p.m.

Dinner

Program, 22 January 2026

08:30 a.m.

[Session 4:](#)

Processing of FTIR spectroscopy data

10:00 a.m.

Coffee break

10:30 a.m.

[Session 5:](#)

Discussion/workshop on future projects

12:00 a.m.

End of Day 2 (lunch option)