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## Seminar über Microwave Physics and Atmospheric Physics

**Referent/in:** Andreas Leuenberger, Palindrome Remote Sending GmbH

**Titel:** Testing a Multistatic C-band Radar

After a short introduction to the basics of bi- and multistatic radar systems and pointing out its advantages and disadvantages, we present the multistatic active surveillance radar system SAMURAI (Swiss African MULTistatic RADar Initiative). This C-band system, consisting of one transmit and two receive nodes, was tested on its drone detection capabilities during two field campaigns in Switzerland. GPS trajectories of a DJI Phantom 4 drone were compared to the radar detections. Using the Palindrome multistatic radar target simulator, the accuracy of range, power, Doppler and pointing stability was tested.

**Zeit:** Freitag, 7. Mai 2021, 10:15 Uhr

**Ort:** Zoom Link: <https://unibe-ch.zoom.us/j/97081325603>  
Meeting ID: 970 8132 5603  
Passcode: iapmw