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