

Seminar über Microwave Physics and Atmospheric Physics

Referent/in: Tomas Thuroczy, LERMA, Observatoire de Paris

Titel: Compact Front-Ends for Terahertz Heterodyne Receivers in Small-Satellite Platforms

Small satellites (Cubesats) are attractive platforms for launching scientific instruments into space with significantly lower cost and development time. In the recent years, several small satellite missions with sub-millimeter wave radiometric instruments on-board have been successfully launched into space. However, the inherent space and volume constraints pose a great challenge for the development of the radiometric antennas and calibration systems. In this talk, I will present my PhD project dealing with research and development of flat high-gain sub-THz radiometric antennas at IETR Rennes, France and heterodyne electronic calibration systems at Paris Observatory.

Zeit: Freitag, 08. Dezember 2023, 10:15 Uhr

Ort: Room A97
<https://unibe-ch.zoom.us/j/97081325603?pwd=d0ozME5xOS9pQVNxallLem81VHQyZz09>
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