

Microwave Physics and Atmospheric Physics

Referent/in: Dr. Lorenzo Ciorba, IAP, Universität Bern

Titel: Inverse Synthetic Aperture Radar activities at IAP

Synthetic Aperture Radar (SAR) imaging is providing essential data to the scientific community in a wide range of applications. To focus the image, SAR and inverse SAR (ISAR) use the motion of either the radar or the target to generate detailed microwave pictures with typical resolutions of meters to centimeters. These images benefit from the unique properties of radar signals, such as the ability to penetrate through the atmosphere and provide information in all-weather day-and-night (all sky) conditions. ISAR measurements of vehicles were performed this year in Switzerland's largest test center, i.e., RUAG Test Center in Thun. In particular, 2-D and 3-D ISAR images were formed from near field data of a vehicle rotating on a turntable in a circular scan. This ISAR measurement campaign and recent developments carried out at the University of Bern will be presented

Zeit: Tuesday, 25.11.2025, 10:15

Ort: Room B116
<https://unibe-ch.zoom.us/j/97081325603?pwd=d0ozME5xOS9pQVNxallLem81VHQyZz09>
Meeting ID: 970 8132 5603
Passcode: iapmw