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## **Seminar über Biomedizinische Photonik**

**Referent:** Dr. Maju Kuriakose, Institute of Applied Physics, University of Bern

**Titel:** Receive Beam Steering for Speed of Sound Reconstruction: Application to Carotid Plaque Imaging

Recently, we have demonstrated that the Speed of Sound reconstruction from the classical ultrasound data is possible with the Computed Ultrasound Tomography in Echo mode (CUTE) technique. Until now, the technique is limited to the imaging of time in varying Speed of Sound imaging due to the time consuming Transmit beam steering. So our goal is to get use of the directional information in the receive signal and to invert the situation from transmit beam steering to Receive beam steering.

**Zeit:** Mittwoch, 29.11.2017, 10:15 Uhr

**Ort:** **Hörsaal A97**, Gebäude exakte Wissenschaften, Sidlerstrasse 5, Bern, Schweiz