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**UNIVERSITÄT
BERN**

Seminar über Biomedizinische Photonik

Referent: Florentin Spadin, Institute of Applied Physics, University of Bern

Titel: Fourier-Based Image Reconstruction: a viable Alternative to Time-Domain Algorithms in Optoacoustic Microscopy

Image Reconstruction is important in optoacoustic microscopy as it allows the region of acceptable resolution around the plane of focus to be increased dramatically, which in turn greatly improves the usability of the technique. In recent times however, there have been few improvements to the widely used delay-and-sum algorithm. In this seminar, a fourier-based approach to the problem is presented and an in-depth comparison with the established method is made.

Zeit: Mittwoch, 18.10.2017, 10:15 Uhr

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