

PHYSIKALISCHES KOLLOQUIUM

Sommersemester 2025

Das Kolloquium findet (soweit nicht anders angegeben) **jeweils montags um 14:15 Uhr in Präsenz im Röntgen-Hörsaal** des Physikalischen Instituts, Hubland Campus Süd, Universität Würzburg **und online via Zoom** statt.

Zugangsdaten siehe <https://www.physik.uni-wuerzburg.de/aktuelles/veranstaltungen-aus-der-physik/physikalisches-kolloquium/>

30.06.2025

Prof. Dr. Goran Mashanovic
University of Southampton, Optoelectronics Research Centre

Silicon Photonics for Mid- and Nearinfrared Applications

Abstract

In my talk I will cover research activities within the Silicon Photonics Group at the University of Southampton and show our recent results in both mid- and near-IR wavelength ranges. The mid-IR is interesting for absorption spectroscopy and our recent projects have focused on design and fabrication of broadband devices, demonstration of spectrometers and integration of detectors and sources for medical and environmental sensing. In the near-IR, major results have been published in the fields of optical modulators and photonic-electronic integration for data centre and LIDAR applications.

Prof. Goran Mashanovich
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Für die Dozentinnen bzw. Dozenten der Fakultät

Prof. Dr. Hankiewicz, Prof. Dr. Hinkov, Dr. Meyer, Dr. Feichtner, Hr. Baumbach