

PHYSIKALISCHES KOLLOQUIUM

Wintersemester 2020/21

Das Kolloquium findet (soweit unten nicht anders angegeben) jeweils montags **jeweils montags um 17:15 Uhr online via Zoom** statt.

(Der jeweilige Link wird noch zur Verfügung gestellt.).

21.12.2020

Antrittsvorlesung Juniorprofessur Light-Matter Interaction and Topological Photonics

Prof. Dr. Sebastian Klembt
Universität Würzburg, Lehrstuhl für Technische Physik

From Topological Photonics to Topological Lasers

Abstract

Topology has emerged as an abstract, yet surprisingly powerful, new paradigm for controlling the flow of an excitation, e.g. the flow of electrons or light. In this talk, I will provide an overview introducing schemes that have allowed for the successful realization of non-trivial topology in photonic systems. Adding gain and loss to the equation, the concept of topological lasers will be discussed, reviewing recent advances as well as presenting experimental results from our efforts at the Chair of Applied Physics in Würzburg.

Für die Dozentinnen bzw. Dozenten der Fakultät

Prof. Dr. Hankiewicz, Prof Dr. Höfling, PD Dr. Meyer, Prof Dr. Sing und Hr. Frerichs