



Münchner Physik- Kolloquium

sommer
2019

Topological photonics

Prof. Dr. Alexander Szameit, *Universität Rostock*

Monday, 22 July 2019, 17:15 h

Hörsaal H 030, Fakultät für Physik der LMU, Schellingstraße 4, München

In the context of photonics, topology has emerged as an abstract, yet surprisingly powerful, new paradigm for controlling the flow of light. As such, it holds great promise for a wide range of advanced applications, from scatter-free routing and switching of light along arbitrary three-dimensional trajectories to long-distance transmission of slow-light waves. In my talk, I will present an introduction to topology in photonics, with a particular focus on our work on the implementation of photonic Floquet topological insulators. The purpose is to review these and other recent developments, to discuss potential applications and to stimulate new conceptual ideas.

Student event: Meet the speaker

We invite you to a **student-only** discussion-round with Prof. Dr. Alexander Szameit before his Munich Physics Colloquium talk.

Be curious and feel free to ask any question.

Monday, 22 July 2019, 16:00 h,

Room H 522 (5th floor), Fakultät für Physik der LMU, Schellingstraße 4, München

