



# Münchner Physik- Kolloquium

sommer  
2019

## Optimized quantum photonics

Prof. Jelena Vuckovic, *Stanford University, USA*

Monday, 29 April 2019, 17:15 h

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

At the core of most quantum technologies is the development of homogeneous, long lived qubits with excellent optical interfaces, and the development of high efficiency and robust optical interconnects for such qubits. To achieve this goal, we have been studying color centers in diamond and silicon carbide, in combination with novel fabrication techniques, and relying on the powerful and fast photonics inverse design approach that we have developed. Inverse design enables classical and quantum photonic circuits with superior properties, including robustness to errors in fabrication and temperature, compact footprints, novel functionalities, and high efficiencies.

## Student event: Meet the speaker

We invite you to a **student-only** discussion-round with Prof. Jelena Vuckovic before her Munich Physics Colloquium talk.

*Be curious and feel free to ask any question.*

Monday, 29 April 2019, 16:00 h

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

