



## **Seminar: Optics & Photonics SoSe 2019**

### ***Hot Topics in Theory and Experiment***

In this seminar, we introduce and discuss modern concepts in optics and photonics. Each talk will focus on a recently published research highlight. All presentations are in English, but we allow for German as exception as well. The seminar is part of the *Optik-Spezialisierungsmodul P24.4.c Optik/Photonik and P32 Advanced Optical Sciences*.

Time and date: Mondays 1-3 p.m. in NEW 15, 3'101.

#### **Seminar topics are within the areas:**

- Quantum Optics
- Quantum Information
- Quantum Sensing
- Optical Precision Experiments
- Ultra-fast Phenomena and Spectroscopy
- Attosecond Physics
- Fundamentals of Light-Matter-Interaction
- Laser Cooling & Atom Optics
- Numerical Approaches
- Theoretical Nano-Optics
- Novel Light Sources
- Quantum Optomechanics
- Non-linear Optics
- Coherent Phenomena

**The first meeting with introduction of specific topics and distribution of the presentations is on Monday, 15.04., at 13:15 in NEW 15, 3'101.**