



## Seminar: Optics/Photonics SoSe 2018

### *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 exceptions as well. The seminar is part of the *Optik-Spezialisierungsmodul P24.4.c Optik/Photonik* and of *P32 Advanced Optical Sciences*.

Time and date: mondays 13-15 Uhr 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 Monday, 23.04., 13:15 Uhr in NEW 15, 3'101.**