

Current Topics in Nanophotonics schedule

- Choice I (PhD/Masters): Intro lecture into specific topic (30 min)
- Choice II (PhD/Masters): Short intro plus in-depth discussion of a new publication, set in context (30 min)
- Two talks per session, do not need to be polished, discussions are most important
- Possibilities of Masters projects

Date	Topic	Presenter
Nov 6	Second Harmonic from GaP Nanoantennas Optomechanics	Benjamin Tilmann Dimitrios Tsevas
Nov 13	Towards Plasmonic Assisted Upconversion Near-field Microscopy	Linda Hädrich Rebecca Buchner
Nov 20	Photocatalysis with GaP Nanoantennas Disordered Photonics	Wolf Knöllner Oliver Franke
Nov 27	Tunable Excitons in Bilayer Graphene Nonlinear Optics with Metasurfaces	Paul Butler Naeem Ahmad
Dec 4	Radiative Cooling with Metasurfaces Bioinspired Photonics	Daniele De Gregorio Lucas Prins
Dec 11	Photonics for Metrology Brillouin Integrated Photonics	Andreas Bartenschlager Alexander Impertro
Dec 18	Coherent Light Sources at the Nanoscale Beyond the Shockley-Queisser Limit	Jakob Riedel Stephan Gindl
Jan 8	Bose Einstein Condensation of Surface Plasmons Photonics of 2D Materials - Excitons in TMDs	Jonas Mayer Lukas Krelle
Jan 15	Topological Photonics Current State of Single-Photon Emitters	Benedikt Schneider Varun Chandrasekar
Jan 22	Photon-Phonon Coupling Shaping Light Orbital Angular Momentum with Metasurfaces	Matthias Kestler Haoran Ren
Jan 29	Photocatalysis with Nanoparticles Imperfections in Nanophotonics - a "Curse" or a "Bless"?	Seunghoon Lee Changxu Liu
Feb 5	Nanophotonics with 2D Materials Mid-IR Nanophotonics MSc Projects	Lucca Kühner Andrea Mancini Prof. Stefan Maier