

Tuesday 2nd August

- 15:00 Arrival at the Cumberland Lodge
- 15:40 - 16:00 Opening
- 16:00 - 17:00 Keynote talk:
Roberto Di Leonardo *Engineering bacteria to harness photons for mechanical power*
- 17:00 - 17:30 Invited talk:
Simon Horsley *Exploring the space of electromagnetic materials*
- 17:30 - 17:50 Mini-break
- 17:50 - 18:10 Contributed talk:
Anna Fischer *Tuning coupled InP microdisk lasers around exceptional points through selective excitation*
- 18:10 - 18:30 Contributed talk:
Ulysse Najar *Non-invasive and Passive Measurement of an Optical Transmission Matrix Deep Inside a Scattering Medium*
- 18:30 - 20:30 Dinner
- 20:30 - 21:30 Evening debate
Ying Lia Li and **Timmo Van Der Beek**

Complex Nanophotonics Science Camp 2022

Wednesday 3rd August

- 9:00 - 9:30 Invited talk:
Sol Carretero Palacios *Quantum trapping of photonic structures*
- 9:30 - 9:50 Contributed talk:
Alfonso Nardi *Controlling spatial coherence with an optical complex medium*
- 9:50 - 10:10 Contributed talk:
T. V. Raziman *Spectral Control of Random Lasers*
- 10:10 - 10:30 Contributed talk:
Clara Bujalance *Ultra-Strong coupling phenomena in broadband light-harvesting molecules*
- 10:30 - 11:20 Coffee break
- 11:20 - 11:50 Invited talk:
Arthur Goetschy *Optimizing light deposition in scattering media*
- 11:50 - 12:10 Contributed talk
Chiara Devescovi *Cubic 3D Chern photonic insulators with orientable large Chern vectors*
- 12:10 - 12:30 Contributed talk:
James Capers *Inverse design of disordered metamaterials*
- 12:30 - 14:15 Lunch
- 14:15 - 15:15 Keynote talk:
Päivi Törmä *Bose-Einstein condensation, lasing and topological photonics with plasmonic lattices*
- 15:15 - 16:00 Poster pitch
- 16:00 - 18:30 Poster session
- 18:30 - 20:30 Dinner
- 20:30 - 21:30 Evening debate
Jacopo Bertolotti and **Falko Schmidt**

Thursday 4th August

- 9:00 – 9:30 Invited talk:
Sabrina Simoncelli *Nanophotonic approaches for nanoscale imaging & single-molecule detection*
- 9:30 – 9:50 Contributed talk:
Daniel Dahl *High-dimensional Stokes-space spatial beam analyzer*
- 9:50 – 10:10 Contributed talk:
Christina Sharp *Navigating light through moving scattering media*
- 10:10 – 10:30 Contributed talk:
Zihao Lu *Chiroptical composite material made of disordered ensembles of plasmonic nanoparticles*
- 10:30 – 11:30 Coffee break
- 11:30 – 12:30 Keynote talk:
Frank Scheffold *Light transport in amorphous photonic materials with localization and bandgap regimes*
- 12:30 – 13:30 Lunch
- 13:30 – 15:30 Poster session
- 15:30 – 15:50 Contributed talk:
Benjamin Keenlyside *Photoacoustic tomography through a multimode fibre using wavefront shaping*
- 15:50 – 16:10 Contributed talk:
Guillaume Noetinger *Rotating dynamic structured illumination*
- 16:10 – 16:30 Contributed talk:
Jakob Hüpfel *Cooling levitated mesoscopic particles through wave-front shaping in the far-field*
- 16:30 – 17:10 Coffee break
- 17:10 – 17:40 Invited talk:
Angela Demetriadou *Excitation and Radiative properties of geometrically complex plasmonic nanocavities*

- 17:40 – 18:10 Invited talk:
Sasha Rakovich *Plasmon-assisted rectification of Brownian motion of nanoparticles for lab-on-a-chip applications*
- 18:10 – 18:30 Contributed talk:
Rabisankar Samanta *Intensity-dependent speckle decorrelation in fundamental and second-harmonic light scattered from nonlinear disorder*
- 18:30 – 20:30 Dinner
- 20:30 – 21:30 Self-organised session

Friday 5th August

- 9:30 – 9:50 Contributed talk:
Christian Ander Rosiek *Disorder and robustness in silicon photonic topological insulators*
- 9:50 – 10:10 Contributed talk:
Natalia Herrera Valencia *Unscrambling Pixel Entanglement through a Complex Medium*
- 10:10 – 10:30 Contributed talk:
Jeremy Boger-Lombard *Passive non line of sight localization with light and sound*
- 10:30 – 11:10 Coffee break
- 11:10 – 11:30 Contributed talk:
Michael Horodynski *Customized anti-reflection structure for perfect transmission through complex media*
- 11:30 – 11:50 Contributed talk:
David Bronte Ciriza *Elongated active particles in speckle fields*
- 11:50 – 12:10 Contributed talk:
Rakesh Arul *Disordered plasmonic nanoparticle metafilms enable resonant confinement of infrared light and efficient lasing of molecular emitters*
- 12:10 – 12:30 Closing remarks and best talk/poster awards
- 12:30 – 13:30 Lunch
- 14:00 Departure from Cumberland Lodge