

# Program

**Monday, 16 August 2021**

08:50 – 09:00	Scientific organizers	<b>Welcome and Opening</b>
09:00 – 09:30	Steve Barnett	<b>Paraxial Skyrmionic Beams</b>
09:30 – 10:00	Alison Yao	<b>Control of spatially rotating solutions in a selffocusing Kerr cavity</b>
10:00 – 10:30	<i>COFFEE BREAK</i>	
10:30 – 11:00	Kobus Kuipers	<b>Topological structure of and for light</b>
11:00 – 11:30	Jörg Enderlein	<b>Metal-Induced Energy Transfer</b>
11:30 – 11:45	Alfred Meixner	<b>Cylindrical Vector Beams in Optical Microscopy and Laser Spectroscopy</b>
11:45 – 12:00	Carsten Henkel	<b>Light-Matter Interactions on the 10nm Scale – from Quantum Fields to Mechanical Forces</b>
12:00	<i>LUNCH BREAK</i>	
14:00 – 14:30	Harald Giessen	<b>Topological plasmonics: Watching the vector dynamics of plasmonic skyrmions on a nm length and fs time scale</b>
14:30 – 15:00	Henkjan Gersen	<b>Polarisation State Imaging in High Numerical Aperture Systems</b>
15:00 – 15:15	Wolfgang Löffler	<b>Strongly focused vortices and pinhole scanning microscopy</b>
15:15 – 15:30	Eileen Otte	<b>A single-shot responsive nano-analysis for the identification of highly confined customized light fields</b>
15:30 – 16:00	<i>COFFEE BREAK</i>	
16:00 – 17:30	<b>Poster Flash &amp; Poster Session</b>	

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09:00 – 09:30	Halina Rubinsztein-Dunlop	<b>Sculpted light in quantum atom optics and optical trapping</b>
09:30 – 10:00	Simon Horsley	<b>Zero refractive index materials and topological photonics</b>
10:00 – 10:30	<i>COFFEE BREAK</i>	
10:30 – 11:00	Gerd Leuchs	<b>Quantum interference and directional emission</b>
11:00 – 11:30	Sonja Franke-Arnold	<b>Converting transient to spatial effects with vector vortex light</b>
11:30 – 11:45	Lykourgos Bougas	<b>Absolute chiral sensing using (nano)photonics</b>
12:00	<i>LUNCH BREAK</i>	
14:00 – 14:30	Cornelia Denz	<b>Shaping the topology of fully structured focal light fields</b>
14:30 – 15:00	Philipp Kukura	<b>Revealing the physicochemical basis of biomolecular interactions with mass photometry</b>
15:00 – 15:30	<i>COFFEE BREAK</i>	
15:30 – 16:00	Mark Dennis	<b>Skyrmionic Hopfions: 3D particle-like topologies in light beams</b>
16:00 – 16:30	Olivier Martin	<b>Structuring light with plasmonic metasurfaces</b>
16:30 – 16:45	Scientific organizers	<b>Closing remarks</b>

***End of seminar***