

Monday 08.09.2025

08:40 - 09:00 Welcome address by the organizers

09:00 - 09:40 Markus Garst, *Topological textures and defects in condensed matter*

09:40 - 10:20 Discussion

10:20 - 10:40 Coffee Break

10:40 - 11:00 Jan Masell, *Magnetic textures and defects in 2d and 3d*

11:00 - 11:20 Discussion

11:20 - 11:40 Theodorou Georgios, *Antiferromagnetic domain walls under spin-orbit torque*

11:40 - 12:00 Discussion

12:00 - 14:00 Lunch Break

14:00 - 14:40 Steve Barnett, *Ubiquitous skyrmions*

14:40 - 15:20 Discussion

15:20 - 15:40 Riaan Philipp Schmidt,
Theoretical Predictions for Magnetometers Employing Vector Vortex Beams

15:40 - 16:00 Discussion

16:00 - 16:30 Coffee Break

16:30 - 18:00 Discussion and Poster Session

18:15 **Dinner Vogelbräu (<https://www.vogelbraeu.de/>)**

20:15 Light Festival Karlsruhe (<https://www.schlosslichtspiele.info/en/>)

Tuesday 09.09.2025

09:00 - 09:40 Sonja Franke-Arnold, *Optical skyrmions in the lab*

09:40 - 10:20 Discussion

10:20 - 10:40 Coffee Break

10:40 - 11:00 Sphinx Svensson, *Detecting 3D polarisations structures with atomic vapours*

11:00 - 11:20 Discussion

11:20 - 11:40 Alexander Neuhaus,
Time-Resolved Imaging of Plasmonic Skyrmions, Merons and Quasicrystals

11:40 - 12:00 Discussion

12:00 - 14:00 Lunch Break

14:00 - 14:20 Kristina Frizyuk, *Geometry of optical multipoles*

14:20 - 14:40 Discussion

14:40 - 15:00 Emma Minarelli, *Optical Hopfions quantize inverse Faraday effect*

15:00 - 15:20 Discussion

15:20 - 15:40 Jörg Götze, *Topological order around optical singularities*

15:40 - 16:00 Discussion

16:00 - 16:30 Coffee Break

16:30 - 16:50 Riccardo Ciola, *Brillouin light scattering off magnons in a magnetic skyrmion lattice*

16:50 - 17:10 Discussion

17:10 - 18:00 Discussion and Poster Session

18:15 Dinner Badische Weinstube (<https://www.badische-weinstuben.de/>)

20:15 Light Festival Karlsruhe (<https://www.schlosslichtspiele.info/en/>)

Wednesday 10.09.2025

9:00 - 14:00 Discussion in smaller groups