

# CHIRAL PHOTONICS 2017

	Monday 4	Tuesday 5	Wednesday 6
		09:00 - 09:50	09:00 - 09:50
09:30 - 09:45	<b>Registration</b>	<b>Lab Tour</b>	<b>Lab Tour</b>
09:45 - 10:00	<b>Welcome</b>		
10:00 - 10:50	Gabriel Molina-Terriza (P) <i>Chirality, optical activity, helicity, angular momentum and all that jazz</i>	Michael Berry (P) <i>Stable and unstable Airy-related caustics and beams</i>	Lukas Novotny (P) <i>Controlling light-matter interactions on the nanometer scale</i>
10:50 - 11:25	David Andrews <i>The plurality of chirality</i>	Mark Dennis <i>Swings and roundabouts: operators and rays for structured Gaussian beams</i>	Fabrizio Tamburini <i>Majorana towers in structured light beams</i>
11:25 - 11:55	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>
11:55 - 12:30	Konstantin Bliokh <i>Optical momentum, spin, and angular momentum in dispersive and inhomogeneous media</i>	Marco Ornigotti <i>The effect of orbital angular momentum on ultrashort optical pulses</i>	Michael Mazilu <i>Multi-axis orbital momentum</i>
12:30 - 13:05	Stefano Azzini <i>Chiral strong coupling of valley excitons in a transition metal dichalcogenide monolayer</i>	Claudio Conti <i>Pseudo-quantum-gravity: Planck scale physics by classical and quantum nonlinear optics</i>	Andrew Forbes <i>Manipulating higher-order Poincaré sphere beams for classical and quantum applications</i>
13:05 - 14:05	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
14:05 - 14:55	Miles Padgett (P) <i>Reversal of orbital angular momentum arising from an extreme Doppler shift</i>	Kobus Kuipers (P) <i>Light twists at the nanoscale</i>	<b>Closing/Discussions/ Departures</b>
14:55 - 15:30	Peter Banzer <i>Measuring transverse electric and magnetic spin densities of light at the nanoscale</i>	Philip Russell <i>Chiral photonic crystal fibre</i>	All the talks will take place in the Bibliothek, room A.2.500, 2 <sup>nd</sup> floor.
15:30 - 16:00	<b>Coffee Break</b>	<b>Coffee Break</b>	
16:00 - 16:35	Arno Rauschenbeutel <i>Nonreciprocal quantum optical devices based on chiral interaction of confined light with spin-polarized atoms</i>	Ebrahim Karimi <i>Revealing magnetic structure of materials with twisted electrons</i>	The posters will be displayed in the entrance hall, ground floor.
16:35 - 17:10	Enrique (Kiko) Galvez <i>Polarization twists in non-collinear paraxial-beam crossings</i>	Aristide Dogariu <i>Phase transitions in the diffusion of light</i>	
17:10 - 17:45	Anatoly Zayats <i>Photonic spin Hall effects in plasmonics and metamaterials</i>	Wolfgang Löffler <i>Quantum dot cavity-QED: single photon interference &amp; chirality</i>	
17:45 - 18:30	<b>Pause</b>	<b>Pause</b>	
18:30 - 19:30	<b>Buffet dinner at MPL</b>	<b>Workshop dinner</b>	
19:30 - 21:00	<b>Poster Session</b>	<b>Workshop dinner</b>	