

Program

Sunday 11 August

15.00	Arrival at the Cumberland Lodge
15.50 - 16.00	Opening
16.00 - 17.00	Keynote talk 1 (Chair: Giorgio Volpe) Lukas Novotny , <i>Levitodynamics</i>
17.00 - 17.30	Invited talk 1 Valentina Krachmanicoff , <i>Super-resolved imaging for probing single-molecule/environment interactions</i>
17.30 - 18.00	Invited talk 2 Guillaume Gomard , <i>Composite light scattering layers for lighting and display technologies</i>
18.00 - 18.30	Invited talk 3 Constanza Toninelli , <i>Organic molecules in integrated quantum devices</i>
18.30 - 20.30	Dinner
20.30 - 21.30	Evening debate 1 (Chair: Kevin Vynck) Laurent Daudet and John Lincoln

Complex Nanophotonics Science Camp

Monday 12 August

09.00 - 09.30	Invited talk 4 (Chair: Nicolas Bachelard) Ragnar Fleischmann , <i>Branched flows</i>
09.30 - 09.50	Contributed talk 1 Tamara Bardon-Brun , <i>Spin Hall effect of light in random media</i>
09.50 - 10.10	Contributed talk 2 Joel Berk , <i>Random plasmon scattering for single particle sensing</i>
10.10 - 10.30	Contributed talk 3 Rohit Chikkaraddy , <i>Colour of light at nanoscale mixing with molecules</i>
10.30 - 11.30	Coffee break
11.30 - 11.50	Contributed talk 4 (Chair: Maria Josè Lo Faro) Rox Middleton , <i>Globular multilayer blue: the structurally-coloured fruit in your garden</i>
11.50 - 12.10	Contributed talk 5 Maxime Bertrand , <i>Numerical dipoles method for light scattering by complex resonant nanostructures</i>
12.10 - 12.30	Contributed talk 6 Hasan Yilmaz , <i>Transmission eigenchannels in a wide multiple-scattering slab</i>
12.30 - 14.30	Lunch break
14.30 - 15.30	Keynote talk 2 (Chair: Jacopo Bertolotti) Anne Sentenac , <i>Super-resolution in diffraction microscopy: the interest of computational imaging</i>
15.30 - 16.00	Poster pitch
16.00 - 18.30	Poster session
18.30 - 20.30	Dinner
20.30 - 21.30	Evening debate (Chair: Paloma A. Huidobro) Telma Carvalho and Nina Meinzer

Tuesday 13 August

09.00 - 09.30	Invited talk 5 Barbara Fazio , <i>Fractal textures of silicon nanowires: new route for unique optical properties and unexpected interference effects</i>	(Chair: Hasan Yilmaz)
09.30 - 09.50	Contributed talk 7 Romolo Savo , <i>Nonlinear light generation in disordered micro-balls</i>	
09.50 - 10.10	Contributed talk 8 Mathieu Durand , <i>Study of the propagation time of waves inside strongly scattering media</i>	
10.10 - 10.30	Contributed talk 9 David Phillips , <i>Mode selective mirrors</i>	
10.30 - 11.30	Coffee break	
11.30 - 12.30	keynote talk 3 Jeremy Baumberg , <i>Extreme PicoPhotonics: trapping light to the atomic scale</i>	(Chair: David Phillips)
12.30 - 15.00	Lunch break	
15.00 - 15.30	Invited talk 6 Daniele Faccio , <i>Transient light imaging fundamentals and applications</i>	(Chair: Rox Middleton)
15.30 - 15.50	Contributed talk 10 Michael Horodyski , <i>Optical micromanipulation with structured light fields</i>	
15.50 - 16.10	Contributed talk 11 Pauline Boucher , <i>Entangled photon-pairs spatial correlations study using pump beam shaping</i>	
16.10 - 16.30	Contributed talk 12 Robin D. Buijs , <i>Optical nanoimaging using scattering metasurface sensors</i>	
16.30 - 17.00	Coffee break	
17.00 - 17.30	Invited talk 7 Neda Ghofraniha , <i>Random lasers: fundamental physics and applications</i>	(Chair: Romolo Savo)

17.30 - 18.00	Invited talk 8 Nicholas Bachelard , <i>Collective mechanisms for the self-organisation of dynamic photonic and phononic crystals out of thermodynamic equilibrium</i>
18.00 - 18.30	Invited talk 9 Mehul Malik , <i>Control and manipulation of high-dimensional entanglement through complex scattering media</i>
18.30 - 20.30	Dinner
20.30 - 21.30	Self-organised session

Wednesday 14 August

09.30 - 09.50	Contributed talk 13 Saroch Leedumrongwatthanaku , <i>Programming linear quantum networks with a multimode fiber</i>	(Chair: Carlota De Galarreta Fanjul)
09.50 - 10.10	Contributed talk 14 Ilya Starshynov , <i>Non-line-of-sight imaging using artificial neural networks</i>	
10.10 - 10.30	Contributed talk 15 Dorian Bouchet , <i>Information-driven optimization of light scattering based on wavefront control</i>	
10.30 - 11.10	Coffee break	
11.10 - 11.30	Contributed talk 16 Maria Josè Lo Faro , <i>Silicon nanowires for photonics and biosensing</i>	(Chair: Pauline Boucher)
11.30 - 11.50	Contributed talk 17 Claudio Moretti , <i>Readout of wide field fluorescence functional signals through highly scattering tissue</i>	
11.50 - 12.10	Contributed talk 18 Maxime Matthès , <i>Optical Complex Media as Universal Reconfigurable Linear Operators</i>	
12.10 - 12.30	Closing remarks and poster awards	
12.30 - 14.00	Lunch break	
14.00	Departure from Cumberland Lodge	