

Monday - June 17th, 2019	
8:00 - 9:00	Registration
9:00 - 9:40	Plenary lecture: <i>Three-dimensional geometric-phase photonic systems</i> <b>Lorenzo Marrucci</b>
9:40 - 10:05	<i>Optical Angular Momentum Transfer on Total Internal Reflection</i> <b>Stephen Barnett</b>
10:05 - 10:30	<i>OAM Antenna Synthesis and Beam forming</i> <b>Bo Thidé</b>
10:30 - 11:00	Coffee break
11:00 - 11:25	<i>Controlling the purity of scalar and vector OAM modes</i> <b>Andrew Forbes</b>
11:25 - 11:50	<i>Manipulating Critical Points of Random Light for Super-Resolution Microscopy</i> <b>Marc Guillon</b>
11:50 - 12:15	<i>Imaging of HeLa Cells with Fiber Stimulated Emission Depletion Microscopy (STED)</i> <b>Juliet Gopinath</b>
12:15 - 12:40	<i>Majorana Vortex Photons propagate through Brain Tissue</i> <b>Robert Alfano</b>
12:40 - 14:00	Lunch
14:00 - 14:25	<i>High harmonic generation with OAM beams</i> <b>Paul Corkum</b>
14:25 - 14:50	<i>Structured Ultrafast Sources With Controllable Spin and Orbital Angular Momentum</i> <b>Carlos Hernández-García</b>
14:50 - 15:15	<i>OAM-induced dichroism using a XUV free-electron laser</i> <b>Giovanni De Ninno</b>
15:15 - 15:40	<i>Single shot spatio temporal images of STOV-carrying optical fields</i> <b>Howard Milchberg</b>
15:40 - 16:05	<i>Structured-light—mater interactions: the role of longitudinal fields</i> <b>Christian Schmiegelow</b>
16:05 - 16:35	Coffee break
16:35 - 17:00	<i>Modal Crosstalk Issues in OAM-Based Optical Communication Systems</i> <b>Alan Willner</b>
17:00 - 17:25	<i>Fiber-based quantum communication with orbital angular momentum</i> <b>Davide Bacco</b>
17:25 - 17:50	<i>High-dimensional quantum key distribution by state mapping between different degree of freedoms</i> <b>Fang-Xiang Wang</b>
17:50 - 18:15	<i>Quantum storage of orbital angular momentum states in cold atomic ensembles</i> <b>Baosen Shi</b>
18:30 - 20:00	Welcome reception
Tuesday- June 18th, 2019	
8:00 - 9:00	Registration
9:00 - 9:40	Plenary lecture: <i>Topological winding numbers in light: from singularities to skyrmions</i> <b>Mark Dennis</b>
9:40 - 10:05	<i>Novel 'standing waves' and their applications</i> <b>Robert Cameron</b>
10:05 - 10:30	<i>Knotted topologies in the polarization state of bichromatic light</i> <b>Emilio Pisanty</b>
10:30 - 11:00	Coffee break
11:00 - 11:25	<i>Nonparaxial polarization: description and applications</i> <b>Miguel A Alonso</b>
11:25 - 11:50	<i>Optical helicity lattices</i> <b>Jörg Götze</b>
11:50 - 12:15	<i>Extreme focusing of paraxial light</i> <b>Andrea Aiello</b>
12:15 - 12:40	<i>Swinging and Rotating Pendulum Beams</i> <b>Enrique Galvez</b>
12:40 - 14:00	Lunch
14:00 - 14:40	Plenary lecture: <i>Conferred chirality</i> <b>David Andrews</b>

14:40 - 15:05	<i>From the Selective Excitation to a Chiroptical Response of Achiral Nanoparticles</i> <b>Peter Banzer</b>
15:05 - 15:30	<i>Nanophotonics with multiphoton states of angular momentum and helicity</i> <b>Gabriel Molina Terriza</b>
15:30 - 15:55	<i>Mechanical action of light carrying angular momentum on chiral media</i> <b>Etienne Brasselet</b>
15:55 - 16:25	Coffee break
16:25 - 16:50	<i>Spin-orbit interactions of light in optical fibers</i> <b>Siddharth Ramachandran</b>
16:50 - 17:15	<i>Control of spatially rotating solutions in a Kerr cavity</i> <b>Alison Yao</b>
17:15 - 17:40	<i>Polarization Controlled Orbital Angular Momentum Switching in Nonlinear Wave Mixing</i> <b>Antonio Zelaquett Khoury</b>
17:40 - 18:05	<i>Orbital angular momentum beams in engineered nonlinear colloidal media</i> <b>Natalia Litchinitser</b>
18:05 - 18:30	<i>Shaping singular light fields by tight focusing</i> <b>Cornelia Denz</b>
18:30 - 20:00	Poster session
<b>Wednesday - June 19th, 2019</b>	
8:00 - 9:00	Registration
9:00 - 9:40	Plenary lecture: <i>How to sort OAM modes of light</i> <b>Robert Boyd</b>
9:40 - 10:05	<i>Laguerre-Gaussian mode sorter</i> <b>Joel Carpenter</b>
10:05 - 10:30	<i>Multiplexing for high-dimensional quantum states using structured photons</i> <b>Robert Fickler</b>
10:30 - 11:00	Coffee break
11:00 - 11:25	<i>Miniature 3D printed free-space and fiber-coupled mode sorters for vortex beams</i> <b>Ady Arie</b>
11:25 - 11:50	<i>Metamorphosis of nanostructured lenses: hybridization of kinoforms and free-form metalenses for total angular momentum control</i> <b>Filippo Romanato</b>
11:50 - 12:15	<i>Electrostatic OAM sorter for electrons, challenges and applications</i> <b>Vincenzo Grillo</b>
12:15 - 12:40	<i>Orthonormal basis sets of states for electron vortex beam research</i> <b>Jun Yuan</b>
12:40 - 13:05	<i>Quantum Materials Made of Light</i> <b>Nathan Schine</b>
13:05 - 14:00	Lunch
14:00 - 18:30	Free afternoon
18:30 - 21:00	Social dinner
<b>Thursday - June 20th, 2019</b>	
8:00 - 9:00	Registration
9:00 - 9:40	Plenary lecture: <i>Topological non-Hermitian origin of surface Maxwell and acoustic waves</i> <b>Konstantin Bliokh</b>
9:40 - 10:05	<i>Twisted light from the sky</i> <b>Fabrizio Tamburini</b>
10:05 - 10:30	<i>Measuring the phase velocity of twisted wavefronts</i> <b>Martin Lavery</b>
10:30 - 11:00	Coffee break
11:00 - 11:25	<i>How and why an isotropic transparent particle picks up linear momentum but not spin angular momentum from a light beam</i> <b>Masud Mansuripur</b>
11:25 - 11:50	<i>Structured Light: From Sensor Protection to Satellite Propulsion</i> <b>Grover Swartzlander</b>
11:50 - 12:15	<i>Vector light fields - generation, correlation, interaction</i> <b>Sonja Franke-Arnold</b>

12:15 - 12:40	<i>Wave polarization effects in multiple twisted beams</i> <b>Mohamed Babiker</b>
12:40 - 14:00	Lunch
14:00 - 14:25	<i>X-ray Vortices and Coiling Electrons</i> <b>Benjamin McMorran</b>
14:25 - 14:50	<i>Shaping Electron Wavepackets with Light: Theory and Experiments</i> <b>Ido Kaminer</b>
14:50 - 15:15	<i>On electromagnetic fields of a vortex electron and a new means for quantum tomography of electron states</i> <b>Dmitry Karlovets</b>
15:15 - 15:40	<i>Quantum vortices</i> <b>Duncan O'Dell</b>
15:40 - 16:05	<i>Surface Science with the OAM of light</i> <b>Eva Prinz</b>
16:05 - 16:35	Coffee break
16:35 - 17:00	<i>A New Twist for Materials Science: Orbital Angular Momentum Creates Chiral Structures</i> <b>Takashige Omatsu</b>
17:00 - 17:25	<i>Holography with orbital angular momentum</i> <b>Min Gu</b>
17:25 - 17:50	<i>Satellite quantum communication with OAM and other photon degrees of freedom</i> <b>Giuseppe Vallone</b>
17:50 - 18:15	<i>On Computer-Inspired Science</i> <b>Mario Krenn</b>
18:30 - 20:00	Poster session
	<b>Friday - June 21st, 2019</b>
8:00 - 9:00	Registration
9:00 - 9:40	Plenary lecture: <i>Quantum imaging in the OAM basis reveals the violation of Bell-type inequality</i> <b>Miles Padgett</b>
9:40 - 10:05	<i>Manipulation of quantum and classical systems with sculpted light</i> <b>Halina Rubinsztein-Dunlop</b>
10:05 - 10:30	<i>Orbital angular momentum modes in multiphoton states</i> <b>Filippus Roux</b>
10:30 - 11:00	Coffee break
11:00 - 11:25	<i>From contrast-reversed ghost imaging to resistance to noise - what's the deal with spatial entanglement?</i> <b>Jonathan Leach</b>
11:25 - 11:50	<i>Entanglement Distribution beyond Qubits or: How I Stopped Worrying and Learned to Love the Noise</i> <b>Mehul Malik</b>
11:50 - 12:15	<i>Multi-photon entanglement with and without orbital angular momentum</i> <b>Wolfgang Löffler</b>
12:15 - 12:40	<i>Experimental GHZ entanglement beyond qubits</i> <b>Manuel Erhard</b>
12:40 - 14:00	Lunch
14:00 - 14:25	<i>Generation of a classical cat state from vortex light</i> <b>Shilong Liu</b>
14:25 - 14:50	<i>Interactions of the Twisted Light with Sub-Wavelength Quantum Systems</i> <b>Andrei Afanasev</b>
14:50 - 15:15	<i>Using optical eigenmodes for single photon description</i> <b>Michael Mazilu</b>
15:15 - 15:40	<i>Simulation of 2D quantum walks with structured light</i> <b>Filippo Cardano</b>
15:40 - 16:05	<i>How NIST measures optical power traceable to the kilogram</i> <b>Alexandra Artusio-Glimpse</b>
15:40 - 16:00	Closing remarks