

Monday, July 16	
EP2DS - MSS Sala Maestrale	
8.30	Opening Ceremony
8.50	J. PENDRY <i>Invited Speaker</i> Exploiting plasmons to make a perfect lens
9.30	S. DAS SARMA <i>Invited Speaker</i> Non-abelian statistics and topological quantum computation using fractional quantum hall states
Coffee break	
10.10	Coffee break
10.30	V. I. KLIMOV <i>Invited Speaker</i> High-Efficiency Carrier Multiplication in Nanocrystal Quantum Dots: Recent Progress and Challenges
11.00	K. WEISS High-Resolution Two-Colour Laser Spectroscopy on a Charged Single Quantum Dot
11.20	I. R. SELLERS Modulation of the Optical Aharonov-Bohm Effect in Type-II-VI Quantum Dots by a Far Infrared Laser
11.30	G. W. W. QUAX All-optical control of the exciton g-factor in InAs/GaAs quantum dots
11.50	M. SCHEIBNER Excited state level crossing spectroscopy of quantum dot molecules
12.10	B. BANSAL Excitonic Mott transition in type-II GaSb/GaAs quantum dots
Lunch	
12.40	Lunch
14.30	O. BENSON <i>Invited Speaker</i> Single photons on demand: new light for quantum information processing
15.00	R. LETURCO Frequency selective single-photon detection with a double quantum dot
15.20	H. KUMANO High Degree of Circular Polarization Single Photon Emission from A Single Quantum Dot Under non-Resonant Excitation and Zero Magnetic Field
15.40	M. E. REIMER Engineering Hidden Symmetry within Gated Quantum Dot - A Scalable Route to Entangled Photon Pairs
16.00	Coffee break
16.20	T. DIETL <i>Invited Speaker</i> Engineered and self-organised modulated structures of diluted magnetic semiconductors
16.50	R. T. LECHNER Ferromagnetic GaMnTe epilayers and heterostructures with ST <sub>c</sub> values above 200 K
17.10	D. BOUGCARD A Diluted GeMn Magnetic Semiconductor
17.30	Poster
18.20	Welcome reception
19.30	Poster

Tuesday, July 17	
EP2DS - MSS Sala Maestrale	
8.30	Exhibition day P. KIM <i>Invited Speaker</i> Electron transport in graphene
9.10	A. IMAMOGLU <i>Invited Speaker</i> Optical spin manipulation and measurement in quantum dots
Coffee break	
10.10	J. TIGNON <i>Invited Speaker</i> Generation of Quantum Correlated Twin Photons in Vertical Triple Microcavities
10.40	I. CARUSOTTO <i>Invited Speaker</i> Theory of the quantum fluid of microcavity polaritons
11.10	A. VASANELLI Polaritonic emission from an electrically injected semiconductor device
11.30	M. NOMURA Ultralow Threshold Photonic Crystal Nanocavity Laser
11.50	D. N. KRIZHANOVSKII Novel phase transition in high density polariton system due to spontaneous self-organisation
12.10	C. H. STRELOW Microtube Ring Resonators: Three-Dimensional Confinement of Light and Preferential Emission
Lunch	
14.20	A. TARTAKOVSKII <i>Invited Speaker</i> Nuclear spin switch in semiconductor quantum dots
14.50	J. J. FINLEY Very slow spin relaxation of isolated holes in InGaAs quantum dots
15.10	J. I. CLIMENTE Spin relaxation due to spin-orbit coupling in multi-electron quantum dots
15.20	H. ZHU RF Resonance of 2D Electrons in Stripe Phases
15.30	A. OIWA Kondo effect and tunneling magnetoresistance in a single self-assembled InAs quantum dot coupled to ferromagnetic leads
15.40	M. KOSHINO Diamagnetism in graphene monolayer and multilayers
Coffee break	
16.10	B. D. GERARDOT <i>Invited Speaker</i> Optical initialization of a single hole spin in a quantum dot
16.20	A. SACHRAJDA Spin Blockade of Quantum Cellular Automata Effects in a Few Electron Triple Quantum Dot
16.40	J. BEREZOVSKY Nondestructive optical measurements of a single electron spin in a quantum dot
17.00	R. FERREIRA Singlet-to-triplet spin-flip in doubly charged InAs/GaAs quantum dots
17.30	Poster
19.30	Poster
21.30	Jazz Concert

Wednesday, July 18	
EP2DS - MSS Sala Maestrale	
8.30	Exhibition day A. MACDONALD <i>Invited Speaker</i> Pseudospin order and collective behaviour in quantum hall and graphene bilayers
9.10	J. NITTA <i>Invited Speaker</i> Electrical manipulation of spin precession based on the Rashba spin-orbit interaction
Coffee break	
10.20	T. FUKUJI <i>Invited Speaker</i> InP and InP/InAs multi-core shell nanowires grown by selective area MOVPE
10.50	L. E. FRÖBERG <i>Invited Speaker</i> Growth and devices based on InAs/InP nanowire heterostructures
11.20	S. RUBINI Growth and characterisation of GaAsN nanowires
11.40	Q. ZHU Quantum Dot Molecules and Superlattices Realized with Modulated Quantum Wire Heterostructures
12.00	F. M. ROSS <i>Invited Speaker</i> The kinetics of nanowire nucleation and growth measured with in situ microscopy
Lunch	
14.20	H. KRENNER <i>Invited Speaker</i> Growth and optical properties of self-assembled InGaAs Quantum Posts
14.50	S. OHKOUCHI Molecular beam epitaxial growth of site-controlled InAs quantum dot arrays using templates fabricated by the Nano-Jet Probe method
15.10	C. DAIS Fabrication and properties of Si/Ge dot array quantum dot molecules and 3d quantum dot crystals on Si(001)
15.30	C. PAYETTE Bright current resonance-to-dark current resonance inter-conversion in a vertical quantum dot molecule energy level mixer
15.50	L. WANG Controlled Electronic Coupling in GaAs Lateral Quantum Dot Molecules by Electric Field
Coffee break	
16.10	Poster
16.30	Poster
18.20	Poster
20.00	Gala dinner

Thursday, July 19	
MSS 13 - Sala Grecale	
8.30	M. POGGIO <i>Invited Speaker</i> Nanoscale nuclear magnetic resonance imaging using a force microscope
9.00	G. BESTER New Insights into InAs/GaAs quantum dots by a combination of theory and experiment of wave function imaging
9.20	H. SELLIER Scanning gate transconductance imaging of mesoscopic rings
9.40	R. COLOMBELLI Direct imaging of a laser mode via mid-infrared near-field microscopy
Coffee break	
10.20	U. SIVAN <i>Invited Speaker</i> Recognition of Electronically Relevant Surfaces by Biomolecules and Electrical Control over that Recognition
10.50	A. MARENT Towards a Universal Memory Based on Self-Organized Quantum Dots
11.10	C. R. MÜLLER Ultra low metastable thresholds of a Y-branch switch controlled by quantum dots
11.20	T. SOGAWA Dynamic Polarization Anisotropy of Moving Dots Formed by Surface Acoustic Waves
11.40	J. R. GELL <i>Invited Speaker</i> Temporal isolation of surface acoustic wave driven luminescence from a lateral p-n junction using pulsed techniques
12.00	F. M. ROSS <i>Invited Speaker</i> Spin-splitting and magnetooscillations of mode coupling in stacked quantum wire systems
Lunch	
13.30	Excursion to Portofino
Coffee break	
16.10	Poster
16.30	Poster
18.20	Poster
20.00	Arrival in Genova

Friday July 20	
MSS 13 - Sala Grecale	
8.30	G. SCAMARCIO <i>Invited Speaker</i> Nanoscale heat transfer effects in quantum cascade lasers
9.00	G. FASHING Dynamical frequency pulling of degenerated and nondegenerated modes in small mode volume whispering-gallery terahertz quantum-cascade lasers
9.20	A. W. HOLLEITNER Micropatterned Electrostatic Trap for Indirect Excitons in Coupled GaAs Quantum Wells
9.40	O. O. D. COUTO Jr. Spin transport anisotropy in (110) GaAs quantum wells
10.00	D. FOWLER Evidence for a new type of magnetic field-induced superlattice miniband
10.20	H. ROSKOS <i>Invited Speaker</i> Ultrafast Fiske effect and the question of chaotic electron motion in semiconductor superlattices
Coffee break	
EP2DS - MSS Sala Maestrale	
A. FERT <i>Invited Speaker</i> Spin transport between spin-polarized source and drain, with comparison of devices based on metals, semiconductors or molecules	
11.50	P. AVOURIS <i>Invited Speaker</i> Carbon nanotubes: electronics and optoelectronics in 1D
Lunch	
Closing Ceremony	