

Note:
Not final. Locations TBA.

Monday 23/5/16

Time				Primary Marker	Independent Marker	Chair
945	John Filshie	201248082	Observing Beam Propagation by Fluorescence	Aidan Arnold	Nigel Langford	Erling Riis
1030	Hao Yang	201209622	Bose-Einstein condensate experiments	Aidan Arnold	Elmar Haller	Erling Riis
1030	Patrick Bevington	201113724	Generation and propagation of spatially structured light	Alison Yao	Alison McDonald	Erling Riis
1115	Michael Wright	201237887	Generation and propagation of spatially structured light	Alison Yao	Elmar Haller	Erling Riis
1115	Lee McCann	201216679	Super-wide field of view two dimensional cell imaging	Gail McConnell	Johanna	Keith Mathieson
1200	Zoe Davidson	201216506	Investigation into the effect of motion artefact on PPG sensor signal acquisition	Keith Mathieson	Gail McConnell	Daniel Oi
945	Ashley Garton	201210194	Noble Metal Quantum Dots	Yu Chen	Ben Hourahine	David McKee
1030	Lee Jardine	201237528	Transient Fluorescence Spectra of Proteins	Olaf Rolinski	Yu Chen	David McKee
1115	Ali Sinan Amjad	201218998	Revisiting Fluorescence Quantum Yield: New Light on an Old Approach	Olaf Rolinski	Yu Chen	David McKee
1200						
1230	Ryan Healy	201219384	Interactive Physics Simulations	Gordon Robb	Nigel Langford	David McKee
1200	Ziyan Huang	201534166	Design of a Brewster Window for a W-band Gyro-TWA	Wenlong He	Bengt Eliasson	Adrian Cross
1245	Nathan Dalgleish	201140292	Design and Measurement of a Mode Converter for a Microwave Amplifier	Wenlong He	Craig Donaldson	Adrian Cross
1330	Emma Jane Henderson	201306181	Monte Carlo Simulation and Cooling Performance of the MICE Step V Laboratory Experiment	Kevin Ronald	Phil MacInnes	Adrian Cross
1415	Jonathan Lui	201140577	High-Power Microwave Sources	Phil MacInnes	Martin King	Adrian Cross
1500	Maira Vasilevska	201248008	High-Power Microwave Sources	Phil MacInnes	Martin King	Adrian Cross
1545	Aimee Wright	201238223	Coherent and incoherent combination of laser pulses	Bernhard Hidding	Martin King	Adrian Cross
1630	Fiona Alison MacKay	201246886	Space Radiation Reproduction and Testing	Bernhard Hidding	Mark Wiggins	Adrian Cross

Note:
Not final. Locations TBA.

Tuesday 24/5/2016

Time				Primary Marker	Independent Marker	Chair
945	Ruaraidh Dumbreck	201342349	Noise and system response of CCD spectrographs for luminescence spectroscopy	Paul Edwards	Thomas Han	KPOD
1030	Ryan Brebner	201212112	Metal foils for electron energy filtering	Paul Edwards	Yu Chen	KPOD
1115	Hayley Carroll	201211873	Efficiency of green LEDs: How serious is the “green gap”?	Rob Martin	Yu Chen	KPOD
1200	Samuel Robert Beattie	201121581	LED lighting for stimulating plant growth	Rob Martin	Jochen Bruckbauer	KPOD
1315	Ryan Speirs	201237829	Phosphorescence of glowstones	KPOD	Paul Edwards	Rob Martin
1400	Connor Wasson	201244834	RE-doped III-nitrides for solid state lighting applications	KPOD	Paul Edwards	Rob Martin
1445	Patrikas Prusinskas	201208244	Hysteretic Photochromic Switching (HPS) of europium-magnesium (Eu-Mg) defects in GaN	KPOD	Paul Edwards	Rob Martin
1530	Peter Meadows	201214261	Phosphorescence of glowstones	KPOD	Paul Edwards	Rob Martin
945	Rhys Ferguson	201209656	Resonance in Clouds of Atoms	Francesco Papoff	Luca Tagliacozzo	David McKee
1030	Andrew Smith	201238215	Parametric difference resonance in lasers	Francesco Papoff	Luca Tagliacozzo	David McKee
1115	Sean Deighan	201216491	Resonances in clouds of cold atoms	Francesco Papoff	Luca Tagliacozzo	David McKee
1200	Nicholas Quinn	201239431	Modelling scanning near-field microscopy	Francesco Papoff	Brian McNeil	David McKee
1300	Bohdan Starosta	201041804	Matrix product state representation of quantum states	Luca Tagliacozzo	Nigel Badnell	Daniel Oi
1345	Heather Simmons	201140535	Non-resonant optical cavities	Nigel Langford	Alison Yao	Daniel Oi
1430	Fiona Chrystall	201110069	Orbital Angular Momentum in Vectorial Kerr Cavities	Alison Yao	Gian-Luca Oppo	Nigel Langford

Note:
Not final. Locations TBA.

Thursday 26/5/2016

Time				Primary Marker	Independent Marker	Chair
945	Allan Laird	201239821	Energy upconversion in nano-crystallites for application in UHD display technology	Thomas Han	Carol Trager-Cowan	KPOD
1030	Ryan Mitchell	201246771	An optical study of lanthanide ion doped BaY2F8 single crystals	Thomas Han	Carol Trager-Cowan	KPOD
1115	Carolyn O'Dwyer	201246569	Energy upconversion in nano-crystallites for application in UHD display technology	Thomas Han	Carol Trager-Cowan	KPOD
1200	Jan Schniete	201204965	Optical spectroscopy of distant sources	Carol Trager-Cowan	Jochen Bruckbauer	KPOD
1330	Lily Confield	201246161	Uncovering the early stages of protein folding	Neil Hunt	Jens Sutter	Carol Trager-Cowan
1415	Owen Brady	201237188	A Physical Investigation of Protein-drug Binding	Neil Hunt	Jens Sutter	Carol Trager-Cowan
1500	Liam Fleming	201210209	Spectroscopic Studies of Melanin Fibrils: Spectra, Kinetics, Modulators	Jens Sutter	Olaf Rolinski	Neil Hunt
945	Grant Rushford	201208359	Interaction of light with Rubidium vapour	Thorsten Ackemann	Alison Yao	Francesco Papoff
1030	Paul Graham	201237968	BEC simulations	Gordon Robb	Aidan Arnold	Francesco Papoff
1400	Jamie Mackle	201210047	Optical modes and multiple scattering	Ben Hourahine	Alison Yao	Daniel Oi
1445	Laurence Nix	201210233	Twisted nanostructures	Ben Hourahine	Nigel Badnell	Daniel Oi
1530	Dimitrios Bakas	201229884	Targeting chosen eigenvectors and singular vectors	Ben Hourahine	Nigel Badnell	Daniel Oi

Note:
Not final. Locations TBA.

Friday 27/5/2016

Time				Primary Marker	Independent Marker	Chair
945	Craig Doris	201045719	Stochastic Particle Heating of Charged Particles by Plasma Waves	Bengt Eliasson	Zheng-Ming Sheng	Dino Jaroszynski
1030	Thomas Healy	201208870	Stochastic Particle Heating of Charged Particles by Plasma Waves	Bengt Eliasson	Zheng-Ming Sheng	Dino Jaroszynski
1115	Callum Reynolds	201242549	Modelling of plasma instabilities relevant to laser-driven ion acceleration	Ross Gray	Mark Wiggins	Dino Jaroszynski
1200	Amy McKelvie	201210720	Ion Acceleration in Relativistically Intense Laser- Solid Interactions	Ross Gray	Bernhard Hidding	Dino Jaroszynski
945	Andrew Samuel Phillips	201237675	Design and simulation of a millimetre-wave source based on a pseudospark produced electron beam	Huabi Yin	Wenlong He	Kevin Ronald
945	Anna Whyte	201140420	Atomic Processes for Astrophysical Plasmas	Simon Preval	Nigel Badnell	Paul McKenna
1030	Scott Whiteside	201237861	Atomic Processes for Astrophysical Plasmas	Nigel Badnell	Simon Preval	Paul McKenna
1115	Peter Linton	201248202	Excitation of Heavy Atomic Species for ITER	Nigel Badnell	Simon Preval	Paul McKenna
945	Gavin Macdonald	201237552	Quantum enhanced imaging	John Jeffers	Antonio Hurtado	Francesco Papoff

Tuesday 31/5/20176

Note:
Not final. Locations TBA.

Time				Primary Marker	Independent Marker	Chair
945	Malcolm Jardine	201322802	Transport dynamics of quantum gases in optical potentials	Andrew Daley	Gian-Luca Oppo	John Jeffers
1030	Samantha Hume	201203040	Dynamics of impurity atom coupled to a quantum gas	Andrew Daley	Gian-Luca Oppo	John Jeffers
1115	Ella Wyllie	201237895	Transport dynamics of quantum gases in optical potentials	Andrew Daley	Gian-Luca Oppo	John Jeffers
945	Kieran Mitchell	201137744	Predicting molecular transport properties of pollutants in marine environments	Maxim/Kirill	Olaf Rolinski	Ben Hourahine
1030	Peter Strain	201246828	Development of molecular-scale computer models for enhanced oil recovery	Maxim/Kirill	Olaf Rolinski	Ben Hourahine
1115	James Gill	201237463	Modelling of wettability of mineral surface by water and oil	Maxim/Kirill	Yu Chen	Neil Hunt
1200	Declan Wilkinson	201246797	Ionic liquids at charged interfaces: applications for electrochemical energy storage	Maxim/Kirill	Yu Chen	Neil Hunt
1245	Max Holl	201510182	Molecular Mechanisms of Biological Adaptation to Extreme Ionic Environments	Maxim/Kirill	David Palmer	Neil Hunt
945	Andrew Gough	201237950	Medical Radio-isotope Production using a Laser-Plasma Wakefield Accelerator	Mark Wiggins	Zheng-Ming Sheng	Adrian Cross
1030	Raymond Stirling	201142333	Beam-driven Plasma Wakefield Acceleration (PWFA)	Bernhard Hidding	Zheng-Ming Sheng	Adrian Cross
1115	Andrew Sutherland	201209583	Mid-Infrared Laser Wakefield Acceleration	Bernhard Hidding	Zheng-Ming Sheng	Adrian Cross
945	Craig Roy	201237730	Four-wave Mixing in Atomic Gases	Gordon Robb	Griff	Francesco Papoff
1030	Jack Martin	201206577	Cold atom-light interactions	Gordon Robb	Griff	Francesco Papoff
1115	Erin McAleese	201141272	Cold atom-light interactions	Gordon Robb	Marco Piani	Francesco Papoff
1115	Jennifer Evans	201121599	Characterising micro-mirror devices	Griff	Nick Lockerbie	David McKee
1200	Crawford Wright	201216881	Gravity Gradiometry with Satellite Constellations	Nick Lockerbie	Griff	David McKee
1230	Luke Kavanagh	201237536	Quantifying the entanglement of global quantum evolutions and measurements	Marco Piani	Andrew Daley	Gordon Robb
1315	Ben Charles	201246917	Quantum Measurement in the Jaynes-Cummings Model	Daniel Oi	Marco Piani	Gordon Robb
1330	Andrew Paterson	201210827	3D-Printing of optics equipment in a laser laboratory	Elmar Haller	Griff	KPOD
1445	Gioan Tatsi	201227400	Quantum State Comparison Amplification Protocol	John Jeffers	Marco Piani	Daniel Oi
1530	Sukhpal Singh	201438815	Hybrid Quantum Systems	Jonathan Pritchard	Nick Lockerbie	Daniel Oi
1615	Ilian Despard	201237316	Rydberg excitations scheme for hybrid quantum technologies	Jonathan Pritchard	Nick Lockerbie	Daniel Oi
945	Joshua Robertson	201213582	Photonic Neurons: Spiking information processing with lasers	Antonio Hurtado	Thorsten Ackemann	Keith Mathieson
1030	Simon Armstrong	201312954	Characterization of Optically pumped Quantum Well and Quantum Dot Vertical-cavity Structures	Thorsten Ackemann	Antonio Hurtado	Keith Mathieson
1115	David Matheson	201219449	Modelling Non-linear Processes in Micro-waveguides	Michael Strain	Antonio Hurtado	Keith Mathieson
1200	Mitchell Hodge	201313552	Beam quality of broad-area lasers	Thorsten Ackemann	Michael Strain	Keith Mathieson