

Name	Project	Date	Time	1st Sup	Chair	Independent
WANG ZHANGYU	Terahertz radiations driven by two-colour lasers in gas	15/04/2019	10:00	Zhengming Sheng	Adrian Cross	Brian McNeil
LIU YINHONG	Attosecond radiation from laser interaction with a solid target	15/04/2019	10:45	Zhengming Sheng	Adrian Cross	Martin King
FAN CHENTAO	Plasma Optical Modulators for Intense Lasers	15/04/2019	11:30	Zhengming Sheng	Adrian Cross	Martin King
EASTON JACK	Design, simulation and experiments of a microwave undulator	15/04/2019	14:00	Adrian Cross	Bengt Eliasson	Kevin Ronald
HAMEED SAIRA	Design, simulation and experiments of a Backward Wave Oscillator based on a pseudospark sourced sheet electron beam	15/04/2019	14:45	Adrian Cross	Bengt Eliasson	Adam Noble
QUINN CALUM	Evaluating Spot-Finding Methods	18/04/2019	14:00	Sebastian van de Linde	Gail McConnell	Olaf Rolinski
GAVIGAN EUAN	High speed measurement of non-linear processes in silicon nanowire photonics	23/04/2019	10:45	Michael Strain	Alan Kemp	Aidan Arnold
STULGA DALIUS	Reference Frames, Superselection, and Entanglement	23/04/2019	10:00	Daniel Oi	Ben Hourahine	John Jeffers
KOTZAI ALBES	Computing the inverse square law	23/04/2019	11:30	Ben Hourahine	Carol Trager-Cowan	Yu Chen
CRAIG REBECCA	Optical clearing of mouse tissue for mesoscopic imaging	23/04/2019	10:00	Gail McConnell	Rob Martin	Yu Chen
DUFF GRAHAM	Soliton Glass	23/04/2019	10:45	Gian-Luca Oppo	Thorsten Ackemann	Ben Hourahine
GRANT MARK	Domain Walls in Optical Fibre Resonators	24/04/2019	10:00	Gian-Luca Oppo	Alan Kemp	Oliver Henrich
MCCORMICK EMMA	Exploring Standing Wave Microscopy for Imaging Microalgae	24/04/2019	10:00	Jana Schniete	Rob Martin	Antonio Hurtado
CHRISTOPHER JAY	Can techniques from nanoscale imaging help millimetre scale mesoscopy?	25/04/2019	14:00	Brian Patton	David McKee	Sebastian van de Linde
LEASK VAILA ANN	Atomic Physics Game Design for Outreach Activities	29/04/2019	10:00	Stuart Ingleby	Aidan Arnold	Antonio Hurtado
MCCAHOH STEVEN	A 6 degree-of-freedom platform for Micro-Transfer Printing on curved surfaces	29/04/2019	10:45	Michael Strain	Aidan Arnold	Lucia Caspani
HUDEK MAGDALENA	Coarse-Grained DNA Simulation of Bacterial Plasmids	29/04/2019	10:00	Oliver Henrich	David McKee	Paul Edwards
WISTUBA JORDAN	Characterisation and implementation of computational super-resolution algorithms	29/04/2019	10:45	Brian Patton	David McKee	Paul Edwards
BALLANTYNE FRASER ROBERT	Medical Radioisotope Production using a Laser-Plasma Wakefield Accelerator	29/04/2019	10:00	Mark Wiggins	Dino Jaroszynski	Bengt Eliasson
MACDONALD LOUISE	Medical Radioisotope Production using a Laser-Plasma Wakefield Accelerator	29/04/2019	10:45	Mark Wiggins	Dino Jaroszynski	Bernhard Hidding
CUTTING EUAN	Radiation reaction effects in ultra-intense laser-foil interactions	29/04/2019	11:30	Paul McKenna	Dino Jaroszynski	Alan Young
DOLIER EWAN	Laser-driven ion acceleration from ultrathin foils undergoing relativistic self-induced transparency	29/04/2019	12:15	Paul McKenna	Dino Jaroszynski	Alan Young
SHAW KYLE	Characterising Digital Camera Sensors	29/04/2019	10:45	Daniel Oi	Sebastian van de Linde	Oliver Henrich
DRAKOPOULOS ALEXIS	Learning the Ising Model	30/04/2019	10:00	Ben Hourahine	Carol Trager-Cowan	Yu Chen
CLAPPERTON MEGAN	Quantification of 3D Mesolens image datasets	30/04/2019	09:30	Gail McConnell	Rob Martin	Brian Patton
MORRISON AINSLEY	Optical Modes and Multiple Scattering	01/05/2019	10:00	Ben Hourahine	Carol Trager-Cowan	Yu Chen
RICHFORD KYLE HUGH	Development of a Phase Contrast Imaging system for use with an in-development low-cost, open-access detector for water quality	01/05/2019	10:45	Brian Patton	David McKee	Carol Trager-Cowan
SAEED KAISER	Characterization of optically pumped quantum well and quantum dot vertical-cavity structures	01/05/2019	10:00	Thorsten Ackemann	Erling Riis	Aidan Arnold
FORREST STEVEN	Using angular momentum of light to detect particles in fluids	01/05/2019	10:45	Francesco Papoff	Gordon Robb	Elmar Haller
BREGAZZI ALAN	Observing Beam Propagation by Fluorescence	01/05/2019	10:45	Aidan Arnold	Jennifer Hastie	Konstantinos Lagoudakis

HALL BRENDAN	Quantum applications of Semiconductor Disk Lasers
HARLEY IAIN JAMES	Automated Image Analysis in Single-Molecule Localization Microscopy
WILLMS TIDO	Pathological modifications in proteins detected by their intrinsic fluorescence
ANWAR ZUHRAH	Pathological modifications in proteins detected by their intrinsic fluorescence
MITCHELL MATTHEW	Implementation and characterization of optical lattice potentials for ultracold atoms

DICKSON GARRY	Design of a Frequency Swept, Multi-Megawatt, Cherenkov Oscillator
LEE ROSS	Atomic Processes for Astrophysical Plasmas
MCARTHUR MURRAY	Atomic Processes for Astrophysical Plasmas
FARLEY EUAN	Spectroscopy of Dy-doped crystals for mid-IR laser applications
STEWART CHRISTOPHER	Noble Metal Quantum Dots
BENTLEY-ABBOT CALUM	Lattice Boltzmann Simulation of Flow Through Topological Defects
WALLACE MATTAN	An ultrafast, time-resolving ion spectrometer as a diagnostic of intense laser-plasma dynamics
GENTILE ALESSIO	Nonlinear Propagation of Fully Structured Light
GOVENLOCK GREIG STEPHEN	Helical waves in optical cavities for quantum communication
PHILLIPS ROSS	Three-Dimensional Single-Molecule Based Super-Resolution Imaging
ANDERSON JOHN	Computational Modelling of X-ray Free Electron Lasers
LIDSTRÖM SEBASTIAN	The theory of X-ray Free electron Lasers
GETCHELL CLAIRE	Scattering of twisted light by chiral molecules
PANTONY LEWIS	Interactive Physics Simulations
KOPP YASMINE	Photonic Neurons: Spiking information processing with lasers
KEAY AIDAN	Characterising Digital Camera Sensors

STOYANOV SVETOSLAV	Photon velocity control on a silicon photonic chip
HANNAWAY THOMAS	Beam-driven Plasma Wakefield Acceleration (PWFA)
HEWITT ADAM	Space Radiation Reproduction and Testing
FRASER ROSS	Investigation of attosecond duration relativistic bunch injection in the laser-plasma wakefield accelerator
DOWNS SOPHIE	Monte Carlo Modelling of Particle Beam-Matter Interaction
STEPHEN SAM CAMPBELL	Understanding how to exploit diamond in solid-state lasers
SMYTH STUART	Grating Magneto-Optical Trap experiments
WALKER JOSH	Bose Einstein Condensate (BEC) Simulations
SINCLAIR CRAIG	Bose Einstein Condensate (BEC) Simulations
SHAW ROBERT	Propagation of orbital-angular momentum beams through a scattering medium
DYER SEAN	Keeping time with a laser pointer
MILLAR CALUM	Generating Arbitrary Arrays for Quantum Information Processing
HENDERSON GRANT	Opto-mechanics of Bose-Einstein Condensates in Optical Cavities

02/05/2019	10:00	Jennifer Hastie	Alan Kemp	Lucia Caspani
02/05/2019	10:00	Sebastian van de Linde	Gail McConnell	Olaf Rolinski
02/05/2019	10:45	Olaf Rolinski	Jennifer Hastie	Paul Edwards
02/05/2019	11:30	Olaf Rolinski	Jennifer Hastie	Paul Edwards
02/05/2019	14:00	Elmar Haller	Jennifer Hastie	Michael Strain

07/05/2019	10:00	Phil MacInnes	Bengt Eliasson	Mark Wiggins
07/05/2019	14:00	Nigel Badnell	Brian McNeil	Colin Whyte
07/05/2019	14:45	Nigel Badnell	Brian McNeil	Colin Whyte
07/05/2019	10:45	Vasili Savitski	Carol Trager-Cowan	Michael Strain
07/05/2019	11:30	Yu Chen	Carol Trager-Cowan	Konstantinos Lagoudakis
07/05/2019	10:00	Oliver Henrich	David McKee	Paul Edwards
07/05/2019	10:45	Ross Gray	Dino Jaroszynski	Mark Wiggins
07/05/2019	10:00	Alison Yao	Erling Riis	Antonio Hurtado
07/05/2019	10:45	Alison Yao	Erling Riis	Antonio Hurtado
07/05/2019	10:00	Sebastian van de Linde	Gail McConnell	Olaf Rolinski
07/05/2019	10:00	Brian McNeil	Gian-Luca Oppo	Francesco Papoff
07/05/2019	10:45	Brian McNeil	Gian-Luca Oppo	Francesco Papoff
07/05/2019	11:30	Robert Cameron	Gian-Luca Oppo	Daniel Oi
07/05/2019	14:00	Gordon Robb	Paul Griffin	Gail McConnell
07/05/2019	14:00	Antonio Hurtado	Rob Martin	Konstantinos Lagoudakis
07/05/2019	10:45	Daniel Oi	Sebastian van de Linde	Oliver Henrich

08/05/2019	10:00	Michael Strain	Alan Kemp	Lucia Caspani
08/05/2019	10:00	Bernhard Hidding	Kevin Ronald	Bernhard Ersfeld
08/05/2019	10:45	Bernhard Hidding	Kevin Ronald	Alan Young
08/05/2019	14:00	Samuel Yoffe	Kevin Ronald	Brian McNeil
08/05/2019	14:45	Bernhard Hidding	Kevin Ronald	Bernhard Ersfeld
08/05/2019	11:30	Alan Kemp	Rob Martin	Konstantinos Lagoudakis
08/05/2019	10:00	Paul Griffin	Stefan Kuhr	Nigel Langford
08/05/2019	10:45	Gordon Robb	Stefan Kuhr	Alison Yao
08/05/2019	11:30	Gordon Robb	Stefan Kuhr	Alison Yao
08/05/2019	14:00	Paul Griffin	Stefan Kuhr	Brian Patton
08/05/2019	14:45	Jonathan Pritchard	Stefan Kuhr	Jennifer Hastie
08/05/2019	15:30	Jonathan Pritchard	Stefan Kuhr	Lucia Caspani
08/05/2019	11:30	Gian-Luca Oppo	Thorsten Ackemann	Lucia Caspani

GREEN INNES	Two-Photon Young's Beamsplitters for Communication	09/05/2019	14:00	John Jeffers	Daniel Oi	Alison Yao
NIKOLATOS CHARALAMPOS	Creation and control of continuous-mode optical superposition qubits	09/05/2019	14:45	John Jeffers	Daniel Oi	Konstantinos Lagoudakis
LIVINGSTONE KYLE	Astigmatic mirror multipass absorption cells for long path length spectroscopy	09/05/2019	11:30	Nigel Langford	Erling Riis	Jonathan Pritchard
THOMSON WAYNE	Astigmatic mirror multipass absorption cells for long path length spectroscopy	09/05/2019	14:00	Nigel Langford	Erling Riis	Jonathan Pritchard
CONN BHAYLIE	Beam Quality of Broad-area Diode Lasers	09/05/2019	14:45	Thorsten Ackemann	Erling Riis	Nigel Langford
WALLACE STEWART	Magnetic states with long-range interactions	09/05/2019	10:00	Andrew Daley	John Jeffers	Elmar Haller
WEBB JONATHAN	Quantum transport in superconducting wires and cold atoms	09/05/2019	10:45	Andrew Daley	John Jeffers	Elmar Haller
AVIS WILLIAM	Nonlinear vacuum electrodynamics	09/05/2019	14:00	Adam Noble	Mark Wiggins	Nigel Badnell
BUCK ANGUS	Radiation Reaction	09/05/2019	14:45	Adam Noble	Mark Wiggins	Nigel Badnell
PURVIS ANTHONY	Simulations of the Demonstration of Ionisation Cooling Experiment	09/05/2019	15:30	Alan Young	Nigel Badnell	Zhengming Sheng
MCGURK COLLETTE	Using angular momentum of light to detect particles in fluids	09/05/2019	14:00	Francesco Papoff	Paul Griffin	Gordon Robb
RAHMAN ZAINA	Using angular momentum of light to detect particles in fluids	09/05/2019	14:45	Francesco Papoff	Paul Griffin	Elmar Haller
CURRAN KEVIN	Scattering of light beams carrying angular momentum	09/05/2019	15:30	Francesco Papoff	Paul Griffin	David McKee
ELLIOT CAMERON	Stochastic Particle Heating of Charged Particles by Plasma Waves	09/05/2019	10:00	Bengt Eliasson	Zhengming Sheng	Ross Gray
DONEV DIMITAR	the Scattering of Relativistic Electrons off Electromagnetic Ion Cyclotron Waves	09/05/2019	10:45	Bengt Eliasson	Zhengming Sheng	Ross Gray