

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
CRAIG REBECCA	Optical clearing of mouse tissue for mesoscopic imaging	23/04/2019	10:00	Gail McConnell	Rob Martin	Yu Chen
CLAPPERTON MEGAN	Quantification of 3D Mesolens image datasets	23/04/2019	11:30	Gail McConnell	Rob Martin	Brian Patton
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
DRAKOPOULOS ALEXIS	Learning the Ising Model	26/04/2019	10:00	Ben Hourahine	Carol Trager-Cowan	Yu Chen
LEASK VAILA ANN	Atomic Physics Game Design for Outreach Activities	29/04/2019	10:00	Stuart Ingleby	Aidan Arnold	Antonio Hurtado
MCCAHON 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
MORRISON AINSLEY	Optical Modes and Multiple Scattering	29/04/2019	10:00	Ben Hourahine	Carol Trager-Cowan	Yu Chen
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
RICHFORD KYLE HUGH	Development of a Phase Contrast Imaging system for use with an in-development low-cost, open-access detector for water quality	29/04/2019	11:30	Brian Patton	David McKee	Carol Trager-Cowan
BALLANTYNE FRASER	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
FORREST STEVEN	Using angular momentum of light to detect particles in fluids	29/04/2019	14:45	Francesco Papoff	Gordon Robb	Elmar Haller
SHAW KYLE	Characterising Digital Camera Sensors	29/04/2019	10:45	Daniel Oi	Sebastian van de Linde	Oliver Henrich
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
HARLEY IAIN JAMES	Automated Image Analysis in Single-Molecule Localization Microscopy	01/05/2019	10:00	Sebastian van de Linde	Gail McConnell	Olaf Rolinski
MITCHELL MATTHEW	Implementation and characterization of optical lattice potentials for ultracold atoms	01/05/2019	10:00	Elmar Haller	Jennifer Hastie	Michael Strain
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	02/05/2019	10:00	Jennifer Hastie	Alan Kemp	Lucia Caspani
WILLMS TIDO	Pathological modifications in proteins detected by their intrinsic fluorescence	02/05/2019	10:45	Olaf Rolinski	Jennifer Hastie	Paul Edwards
ANWAR ZUHRAH	Pathological modifications in proteins detected by their intrinsic fluorescence	02/05/2019	11:30	Olaf Rolinski	Jennifer Hastie	Paul Edwards
DICKSON GARRY	Design of a Frequency Swept, Multi-Megawatt, Cherenkov Oscillator	07/05/2019	10:00	Phil MacInnes	Bengt Eliasson	Mark Wiggins
MACLEOD LEWIS	Ion Channel Laser with Large Oscillation Amplitude	07/05/2019	10:00	Bernhard Ersfeld	Bernhard Hidding	Ross Gray
LEE ROSS	Atomic Processes for Astrophysical Plasmas	07/05/2019	14:00	Nigel Badnell	Brian McNeil	Colin Whyte
MCARTHUR MURRAY	Atomic Processes for Astrophysical Plasmas	07/05/2019	14:45	Nigel Badnell	Brian McNeil	Colin Whyte
KOTZAI ALBES	Computing the inverse square law	07/05/2019	10:00	Ben Hourahine	Carol Trager-Cowan	Yu Chen
FARLEY EUAN	Spectroscopy of Dy-doped crystals for mid-IR laser applications	07/05/2019	10:45	Vasili Savitski	Carol Trager-Cowan	Michael Strain
STEWART CHRISTOPHER	Noble Metal Quantum Dots	07/05/2019	11:30	Yu Chen	Carol Trager-Cowan	Konstantinos Lagoudakis
BENTLEY-ABBOT CALUM	Lattice Boltzmann Simulation of Flow Through Topological Defects	07/05/2019	10:00	Oliver Henrich	David McKee	Paul Edwards
WALLACE MATTAN	An ultrafast, time-resolving ion spectrometer as a diagnostic of intense laser-plasma dynamics	07/05/2019	10:45	Ross Gray	Dino Jaroszynski	Mark Wiggins
GENTILE ALESSIO	Nonlinear Propagation of Fully Structured Light	07/05/2019	10:00	Alison Yao	Erling Riis	Antonio Hurtado
GOVENLOCK GREIG STEPHEN	Helical waves in optical cavities for quantum communication	07/05/2019	10:45	Alison Yao	Erling Riis	Antonio Hurtado
PHILLIPS ROSS	Three-Dimensional Single-Molecule Based Super-Resolution Imaging	07/05/2019	10:00	Sebastian van de Linde	Gail McConnell	Olaf Rolinski

ANDERSON JOHN	Computational Modelling of X-ray Free Electron Lasers	07/05/2019	10:00	Brian McNeil	Gian-Luca Oppo	Francesco Papoff
LIDSTRÖM SEBASTIAN	The theory of X-ray Free electron Lasers	07/05/2019	10:45	Brian McNeil	Gian-Luca Oppo	Francesco Papoff
GETCHELL CLAIRE	Scattering of twisted light by chiral molecules	07/05/2019	11:30	Robert Cameron	Gian-Luca Oppo	Daniel Oi
CATTO JAMIE	Bose Einstein Condensate (BEC) Simulations	07/05/2019	14:45	Gordon Robb	Nigel Langford	John Jeffers
PANTONY LEWIS	Interactive Physics Simulations	07/05/2019	14:00	Gordon Robb	Paul Griffin	Gail McConnell
KOPP YASMINE	Photonic Neurons: Spiking information processing with lasers	07/05/2019	14:00	Antonio Hurtado	Rob Martin	Konstantinos Lagoudakis
KEAY AIDAN	Characterising Digital Camera Sensors	07/05/2019	10:45	Daniel Oi	Sebastian van de Linde	Oliver Henrich
STOYANOV SVETOSLAV	Photon velocity control on a silicon photonic chip	08/05/2019	10:00	Michael Strain	Alan Kemp	Lucia Caspani
STULGA DALIUS	Reference Frames, Superselection, and Entanglement	08/05/2019	14:00	Daniel Oi	Ben Hourahine	Alison Yao
CHRISTOPHER JAY	Can techniques from nanoscale imaging help millimetre scale mesoscopy?	08/05/2019	10:00	Brian Patton	David McKee	Sebastian van de Linde
DUNCAN CRAIG	Space Radiation Reproduction and Testing	08/05/2019	10:00	Bernhard Hidding	Kevin Ronald	Alan Young
HANNAWAY THOMAS	Beam-driven Plasma Wakefield Acceleration (PWFA)	08/05/2019	10:45	Bernhard Hidding	Kevin Ronald	Bernhard Ersfeld
HEWITT ADAM	Space Radiation Reproduction and Testing	08/05/2019	11:30	Bernhard Hidding	Kevin Ronald	Alan Young
FRASER ROSS	Investigation of attosecond duration relativistic bunch injection in the laser-plasma wakefield accelerator	08/05/2019	14:00	Samuel Yoffe	Kevin Ronald	Brian McNeil
DOWNS SOPHIE	Monte Carlo Modelling of Particle Beam-Matter Interaction	08/05/2019	14:45	Bernhard Hidding	Kevin Ronald	Bernhard Ersfeld
STEPHEN SAM CAMPBELL	Understanding how to exploit diamond in solid-state lasers	08/05/2019	11:30	Alan Kemp	Rob Martin	Konstantinos Lagoudakis
SMYTH STUART	Grating Magneto-Optical Trap experiments	08/05/2019	10:00	Paul Griffin	Stefan Kuhr	Nigel Langford
WALKER JOSH	Bose Einstein Condensate (BEC) Simulations	08/05/2019	10:45	Gordon Robb	Stefan Kuhr	Alison Yao
SINCLAIR CRAIG	Bose Einstein Condensate (BEC) Simulations	08/05/2019	11:30	Gordon Robb	Stefan Kuhr	Alison Yao
SHAW ROBERT	Propagation of orbital-angular momentum beams through a scattering medium	08/05/2019	14:00	Paul Griffin	Stefan Kuhr	Brian Patton
DYER SEAN	Keeping time with a laser pointer	08/05/2019	14:45	Jonathan Pritchard	Stefan Kuhr	Jennifer Hastie
MILLAR CALUM	Generating Arbitrary Arrays for Quantum Information Processing	08/05/2019	15:30	Jonathan Pritchard	Stefan Kuhr	Lucia Caspani
DUFF GRAHAM	Soliton Glass	08/05/2019	10:00	Gian-Luca Oppo	Thorsten Ackemann	Ben Hourahine
WOODWARD KIERAN	Coherent Perfect Amplification of Light	08/05/2019	10:45	John Jeffers	Thorsten Ackemann	Ben Hourahine
HENDERSON GRANT	Opto-mechanics of Bose-Einstein Condensates in Optical Cavities	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