

Student First Name	Student Last Name	Course	Title of Project	1 st Supervisor	2 nd Supervisor
Colin	McCann	MPhys	Observing beam propagation by fluorescence (b)	Aidan Arnold	Paul Griffin
Christopher	Hunter	BSc Hons Physics	Differential polarisation imaging for environmental applications	Alex Cunningham	David McKee
Nicole	Hunter	BSc Hons Physics	Remote sensing of subsea light fields	Alex Cunningham	
Robert	Liddell	BSc Hons Physics	Characterisation of irregular particles by optical microscopy and digital imaging	Alex Cunningham	David McKee
Fiona	Chrystall	MPhys	Orbital Angular Momentum in Vectorial Kerr Cavities	Alison Yao	Gian-Luca Oppo
Gwen	Morris	MPhys	Transport dynamics of quantum gases in optical potentials	Andrew Daley	Alexandre Tacla
Karen	Wallace	MPhys	Dynamics of impurity atom coupled to a quantum gas	Andrew Daley	Suzanne McEndoo
Mark	Carmichael	MPhys	Photonic materials and devices for Visible Light Communication (VLC)	Benoit Guilhabert	Nicolas Laurand
Andrew Iain	Beaton	BSc Hons Physics	Beam-driven Plasma Wakefield Acceleration (PWFA)	Bernhard Hidding	Dino Jaroszynski
Matthew	Brown	MPhys	Computational modelling of X-ray Free electron Lasers	Brian McNeil	
Martyn	Hunter	BSc Hons Physics	Resonant Electron Beam-light Interactions	Brian McNeil	Gordon Robb
Scott	Thomas	MPhys	ERASMUS, then Computational modelling of X-ray Free electron Lasers	Brian McNeil	
Scott Patrick	Deans	BSc Hons Physics	Image processing of electron channelling contrast patterns and electron channelling contrast images	Carol Trager-Cowan	Paul Edwards
Ross	Johnston	MPhys	Statistical analysis of defect distributions in semiconductor thin films	Carol Trager-Cowan	Paul Edwards
Josh	Robertson	BSc Hons Physics	Satellite free-space optics for quantum communication	Daniel Oi	
Scott	Brown	BSc Hons Physics	Surface fluorescence	David Birch	Jens Sutter
Michael	Green	BSc Hons Physics	Scattering from natural marine particle suspensions	David McKee	
Gillian	Shenstone	BSc Hons Physics	Tele-spectroscopy	David McKee	Carol T-C
Fraser	Addies	MPhys	Radiotherapy using Beams from Laser-plasma Accelerators	Dino Jaroszynski	Silvia Cipiccia/Xue Yanh
Calum Peter	Bregazzi	BSc Hons Physics	Capillary Discharge Waveguides for Laser-Plasma Interactions	Dino Jaroszynski	Mark Wiggins
Gemma	King	MPhys	Medical Radio-isotope Production using a Laser-Plasma Wakefield Accelerator	Dino Jaroszynski	Silvia Cipiccia/Mark Wiggins
Craig	Murdoch	MPhys	Phase-contrast X-ray imaging using an X-ray source based on a laser-plasma accelerator	Dino Jaroszynski	Silvia Cipiccia
Adam	Ross	MPhys	Laser Wakefield Acceleration and Betatron Gamma Ray Radiation	Dino Jaroszynski	Ranaul Islam
Lucy	Luecke		Parametric Oscillators	Francesco Papoff	
Ian	Shanks	BSc Hons Physics	Surface Fields in Layered Nano Particles	Francesco Papoff	Ben Hourahine
Kieran	MacRae	BSc Hons Physics	Measurement of the quality of the laser focus in a scanning optical microscope	Gail McConnell	Johanna Tragardh
Philip	Doyle	MPhys	Interaction of Spatial Optical Solitons	Gian-Luca Oppo	Willie Firth
Mathias	Weisen	MPhys	Self-structuring and Optomechanics of Cold Atoms	Gian-Luca Oppo	Gordon Robb
James	Dunn	BSc Hons Physics	Interactive Physics Simulations (PwT project)	Gordon Robb	Nigel Langford
Steven	Lennox	MPhys	BEC simulations	Gordon Robb	Francesco Papoff
Erin	McAleese	MPhys	Cold atom-light interactions	Gordon Robb	
Leon	Chan	MPhys	Ghost imaging and the Klyshko approach	John Jeffers	
Jan Philipp	Hausen		Neurophotonic systems for interfacing with the retina	Keith Mathieson	Niall McAlinden
Benjamin	Ross	MPhys	Quantifying quantum steering via semidefinite programming	Marco Piani	John Jeffers
Elaine	Adair	MPhys	A Physical Investigation of Protein-drug Binding	Neil Hunt	Daniel Shaw
Andrew	Farrell	MPhys	Uncovering the early stages of protein folding	Neil Hunt	Maxim Fedorov
James	Denholm	BSc Hons Physics	Non-resonant optical cavities	Nigel Langford	Alison Yao
Gregor	McDowall	MPhys	Chirp management of LEDs (experimental and computational)	Nigel Langford	
Steven	Russell	MPhys	Optical pumping of molecular gas lasers by QC Lasers (computational)	Nigel Langford	
Heather	Simmons	MPhys	Non-resonant optical cavities	Nigel Langford	Alison Yao
Jonathan	Wilkins	BSc Hons Physics	Thermal management of pulsed QC Lasers (computational)	Nigel Langford	

Caitlin Elizabeth	Firth	BSc Hons Physics	Intrinsic Fluorophores in Sensing Applications	Olaf Rolinski	Yu Chen
Craig	Murray	BSc Hons Physics	Unusual fluorescence decays	Olaf Rolinski	Yu Chen
Adam	Russell	MPhys	Modelling semiconductor nanostructures using a Schrödinger-Poisson-current solver	Paul Edwards	Rob Martin
Matteo	Demelas	MPhys	Single-shot, 3D reconstruction of the spatial profile of a laser beam	Paul Griffin	Erling Riis
Wenbo	Li		Automated optimisation of optical fibre coupling using microprocessor control	Paul Griffin	Aidan Arnold
Alexandra	Reid	MPhys	High-Power Microwave Sources	Phil MacInnes	Kevin Ronald
Nick	Bruce	BSc Hons Physics	Magnetic Field Stabilization with an Arduino Microprocessor	Stefan Kuhr	Elmar Haller
Jordan	McSkeane	BSc Hons Physics	Spectroscopic Studies of Rare-earth ions doped in LiNbO3	Tom Han	
David	Newton	MPhys	Spectroscopic Studies of Rare-earth ions doped in LiNbO3	Tom Han	
Callum Ian	Runciman	BSc Hons Physics	Noble Metal Quantum Dots	Yu Chen	Olaf Rolinski
Weicheng	He	BSc Hons Physics	Numerical simulation of laser interaction with dense magnetized plasma	Zheng-Ming Sheng	Paul McKenna
Samuel	Anderson	MPhys			
Jake	Arnott	BSc Hons Physics			
Natalie	Bain	BSc Hons Physics			
Patrick	Bevington	MPhys	Year long project - DNV GL		
Alan Ian	Brown	MPhys			
Christopher	Campbell	BSc Hons Physics			
Nathan	Dalglish	BSc Hons Physics			
Craig	Gordon	BSc Hons Physics			
Mark Stewart	Governo	MPhys			
Aneurin	Harvey-Waugh	BSc Hons Physics			
Anthony	Howley	BSc Hons Physics			
Jonathan	Jarrett	MPhys			
Jonathan	Lui	BSc Hons Physics with Teaching			
Stacey	Mitchell	MPhys			
Danielle	Paterson	BSc Hons Physics			
Adam	Ramsay	MPhys			
Madeleine Lesley	Richards	BSc Hons Physics			
Kyle	Roulston	MPhys			
Robert	Smith	BSc Hons Physics			
Raymond	Stirling	BSc Hons Physics			
Rehan Connor	Taylor	BSc Hons Physics			
Michael Ritchie	Wilson	BSc Hons Physics			