2026 SU2P Symposium Agenda

Dates: Tues 24th March – Fri 27th March, 2026
Venue: Advanced Research Centre (Seminar suite), University of Glasgow
11 Chapel Lane, G11 6EW
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Day 2, 25th March

Registration	
0830-0930	Sign-in & coffee
Session 1: Neuro/ Health Tech	Session Chair - Daniele Faccio
0930-1000	Tom Baer (Stanford University) Magnetic Stimulation of the Motor Cortex: A Mechanism for Long-Lasting Pain Relief
1000-1030	Caroline Meullenbroich (University of Glasgow) From Photons to Physiology: High-Speed Lifetime Sensing in Beating Heart Cells
1030- 1045	Maria Cerezo Sanchez (Neurobite) Brain Implantable Transient Electronics
1045-1100	Q&A for all speakers
1100-1115	Break
Session 2: Photonics for AI/Computing	Session Chair - Ashley Lyons
1115-1145	Antonio Hurtado (University of Strathclyde) Neuromorphic Photonic Spiking Neurons and Spiking Neural Networks
1145-1215	Andrea Di Falco (University of St Andrews) Photovoltaic Neural Networks for environmental monitoring
1215-1230	Matej Hejda (Hewlett Packard Enterprise) Hardware-Software Co-design for Integrated Photonic Neuromorphic Computing
1230 - 1245	Q&A for all speakers
1245-1345	Lunch
1345-1415	Jonathan Pritchard (University of Strathclyde): Neutral Atom Quantum Computing using Dual Species Arrays
1415-1445	Elham Kashefi (University of Edinburgh) Photonic Quantum Convolutional Neural Networks: Adaptive Optical Architectures for Quantum Learning
1445 – 1500	Giulia Marcucci (LumiAIres Ltd) Illuminating the Future of Sustainable AI
1500 – 15:15	Q&A for all speakers
Session 3: Comms/ Integrated Photonics	Session Chair - Armand Niederberger
1515-1530	Break
1530-1600	Michael Strain (University of Strathclyde) Beyond 2D integration for semiconductor photonic devices
1600-1630	Olav Solgaard (Stanford University) Sensor systems based on Silicon Photonics
1630 – 1645	Majid Safari (University of Edinburgh) Resilient Receiver Design for Optical Wireless Communications
1645 - 1700	Q&A for all speakers
19:00	Conference Dinner: venue Oran Mhor (Byres Rd, Glasgow G12 8QX)

Day 3, 26th March

Registration	
0830-0930	Sign-in & coffee
Session 1: Comms/ Integrated Photonics	Session Chair - Jack Brennan
0930-1000	Brian Gerardot (Heriot Watt University) Reconfigurable Quantum Matter and Quantum Light
1000-1030	Nicolas Englebert (Caltech) Towards integrated mid-infrared sources in thin-film lithium niobate
1030- 1045	Jonathan Matthews (PSiQuantum) Building Utility Scale Quantum Computers
1045-1100	Q&A for all speakers
1100-1115	Break
Session 2: Neuro/ Health Tech	Session Chair - Keith Mathieson
1115-1145	Darryl McCoy (Coherent Scotland) Advanced Laser Technologies for Multiphoton Imaging and Beyond
1145-1215	Alan Anderson (Optos) Retinal Imaging Pioneering
1215 - 1230	Ralf Bauer (University of Strathclyde) Using affordable 3D printed optics in advanced optical microscopy
1230 - 1245	Q&A for all speakers
1245-1345	Lunch
Session 3: Sensing (Environment, Grav. Waves etc.)	Session Chair - Daniele Faccio
1345-1415	Giles Hammond (University of Glasgow) Gravitational Wave Astronomy and MEMS gravimetry
1415-1445	Brian Lantz (Stanford University) LIGO A# - Searching for 1000 solar-mass black hole mergers 10 billion light-years away
1445 - 1500	David Robertson (University of Glasgow) LISA - robust optical systems for space
1500 - 1515	Q&A for all speakers
1515-1530	Break
1530-1600	Cassandra Huff (Stanford University) Development of Cost-Effective, Field Deployable Optical Sensors for Ecosystem Scale Measurements of Methane Emissions from Diffuse Sources like Wetlands & Rice Paddies
1600-1630	David Stothard (Fraunhofer Centre for Applied Photonics) Ranged detection of hydrogen leaks in the nuclear and energy sectors using single-photon "Quantum" stand-off Raman techniques
1630 - 1645	James McGilligan (University of Strathclyde) Chip-scale atomic sensors for timing and navigation
1645 - 1700	Q&A for all speakers

Day 4, 27th March	**Quantum Workshop**
Registration	
0830-0930	Sign-in & coffee
Session 1: Quantum Computing, Simulation and Networking	Session Chair - Jonathan Pritchard
0930-1000	Anna Soper (Stanford University) A 600 site cavity array microscope: expanding the neutral atom array toolbox
1000-1030	Andre de Oliveira (University of Strathclyde) Graph Optimisation on Neutral Atom Arrays
1030 - 1100	Martin Weides (University of Glasgow) Escaping the Millikelvin Bottleneck: Superconducting qubits based on Niobium
1100-1115	
1115-1145	Jonathan Keeling (University of St Andrews) Spin Glasses and Associative memory with Confocal Cavity QED
1145-1215	Margherita Mazzera (Heriot Watt University) Pioneering platform for integrated quantum memories with rare earth doped crystals
1215 - 1245	Steven Thompson (University of Edinburgh) Quantum Simulation for Spectroscopy: Towards a Near-Term Advantage
1245-1345	Lunch
Session 2: Timing and Sensing	Session Chair - Erling Riis
1345-1415	Leo Holberg (Stanford University) Atomic Clocks for Undersea Applications
1415-1445	Paul Griffin (University of Strathclyde) Compact atomic clocks addressing current needs in PNT
1445 - 1515	Rachel Offer (NPL/Strathclyde) and Harish Rawat (NPL) NPL Strathclyde node: Capabilities and Future Plans
1515-1530	Break
1530-1600	Doug Paul (University of Glasgow) Photonic Integrated Circuits and Heterogeneous Integration for Miniature Atomic Systems
1600-1630	Stuart Ingleby (University of Strathclyde) Pocket-sized quantum magnetometers for geomagnetism, surveying and GNSS-denied navigation
1630 - 1700	Aurora Maccarone (Heriot Watt University) Single-photon LiDAR in extreme conditions