

2026 SU2P Symposium Agenda

Dates: Tues 24th March – Thurs 26th March, 2026

Venue: Advanced Research Centre (Seminar suite), University of Glasgow
 11 Chapel Lane, G11 6EW
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Day 1, 24th March

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| Session 1 | Session Chair - Keith Mathieson |
| 1530 - 1630 | Tom Baer - Master class on photonics technology startups |
| 1700-1830 | SU2P Keynote lecture – Steve Chu (Stanford University) |
| 1830-2000 | Drinks reception & networking |

Day 2, 25th March

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| Registration | |
| 0830-0930 | Sign-in & coffee |
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| Session 1: Neuro/ Health Tech | Session Chair - Daniele Faccio |
| 0930-1000 | Tom Baer (Stanford University) |
| 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) |
| 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) |
| 1230 - 1245 | Q&A for all speakers |
| 1245-1345 | Lunch |
| 1345-1415 | Robert Bowman (Queens University Belfast): Next generation data storage - beyond HAMR |
| 1415-1445 | Elham Kashеfi (University of Edinburgh) |
| 1445 – 1500 | Guilia Marcucci (LumiAlres 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 |
| 1600-1615 | Olav Solgaard (Stanford University) Sensor systems based on Silicon Photonics |
| 1615 – 1630 | Majid Safari (University of Edinburgh) Resilient Receiver Design for Optical Wireless Communications |
| 1630 - 1645 | Q&A for all speakers |
| 19:00 | Conference Dinner: venue Oran Mhor (Byres Rd, Glasgow G12 8QX) |

Day 3, 26th March

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| Registration | |
| 0830-0930 | Sign-in & coffee |
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| Session 1: Comms/ Integrated Photonics | Session Chair - Jack Brennan |
| 0930-1000 | Brian Gerardot (Heriot Watt University) |
| 1000-1030 | Nicolas Englebert (Caltech) Towards integrated mid-infrared sources in thin-film lithium niobate |
| 1030- 1045 | PSiQuantum Title to be confirmed |
| 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 |
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| Session 3: Sensing (Environment, Grav. Waves etc.) | Session Chair - Daniele Faccio |
| 1345-1415 | Giles Hammond (University of Glasgow) |
| 1415-1445 | Brian Lantz (Stanford University) LIGO A# - Searching for 1000 solar-mass black hole mergers 10 billion light-years away |
| 1445 - 1500 | Alasdair Taylor (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

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| Registration | |
| 0830-0930 | Sign-in & coffee |
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| 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 Mazzer (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 |
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| 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) Doug Paul (University of Glasgow) 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) TBC |