

Agenda for 9th Annual SU2P Symposium, 21st – 22nd May 2018, Technology and Innovation Centre, University of Strathclyde, Glasgow, UK

Monday 21st May 2018

08:30 Registration, tea/coffee

09:00 Welcome and opening remarks

Session 1:

09:15 Professor Sir Peter Knight (Imperial College London)

09:45 Professor Jürgen Mlynek (Humboldt-Universität zu Berlin)

10:15 Dr Jonathan Pritchard (University of Strathclyde)
'Towards a hybrid atom-superconductor interface for quantum networking'

10:30 Dr Cristian Bonato (Heriot-Watt University)
'Bayesian estimation for quantum sensing'

10:45 Dr Matt Edgar (University of Glasgow)
'Computational photon-counting LIDAR'

11:00 *Tea/Coffee*

11:30 Professor Ian Walmsley (University of Oxford)

12:00 Professor Brian D Gerardot (Heriot-Watt University)
'Quantum photonics with two-dimensional semiconductors'

12:15 Dr Elmer Haller (University of Strathclyde)
'Quantum simulation of transport problems with ultracold atoms'

12:30 **Poster Presentations** (30 at 1 minute each) *Sponsored by OPTOS PLC*

13:00 *Lunch*

Session 2:

14:00 Dr Hans-dieter Hoffmann (Fraunhofer Institute for Laser Technology)

14:30 Dr Mark Sobey (Coherent)

15:00 Dr Richard M Carter (Heriot-Watt University)
'Ultrashort laser welding of highly dissimilar materials'

15:15 Dr Loyd McKnight (Fraunhofer Centre for Applied Photonics)
'Low SWAP solid-state laser sources by design'

15:30 *Tea/Coffee Break*

16:00 **Business Masterclass**

Chaired by Professors Tom Baer (Stanford) and Allister Ferguson (Strathclyde)

Question and answer session with a panel of experienced entrepreneurs who will describe how to spin out technologies from the university sector. Panellists will share their experiences in translating applied photonics from the lab to significant industrial impact. Ideal for early-career researchers, students and anyone interested in entrepreneurship.

17:00 *Exhibition/Posters/Pre-dinner drinks – Sponsored by Coherent Scotland Limited*

19:30 *Banquet at Barony Hall (After Dinner Speaker - 21:00)*

Agenda for 9th Annual SU2P Symposium, 21st – 22nd May 2018, Technology and Innovation Centre, University of Strathclyde, Glasgow, UK

Tuesday 22nd May 2018

Session 3:

- 09:00** **Professor Audrey Bowden** (Stanford University)
- 09:30** **Professor Daniel Palanker** (Stanford University)
- 10:00** **Dr Niall McAlinden** (University of Strathclyde)
' μ LED devices for optogenetic studies of brain circuits'
- 10:15** **Dr Brian Patton** (University of Strathclyde)
'Nanodiamond for adaptive-optics enhanced super-resolution imaging'
- 10:30** *Tea/Coffee*

Session 4:

- 11:00** **Professor David Miller** (Stanford University)
- 11:30** **Professor Ben Eggleton** (University of Sydney)
- 12:00** **Dr Michael Strain** (University of Strathclyde)
'Multi-layer hybrid photonic integrated circuits fabricated by micro-assembly'
- 12:15** **Dr Alessandro Fedrizzi** (Heriot-Watt University)
'Multi-photon quantum information processing with ultrabright sources of pure photons'
- 12:30** *Lunch*
- 13:30** **Professor Michel Digonnet** (Stanford University)
- 14:00** **Professor Bob Byer** (Stanford University)
- 14:30** **Dr Jonathan Leach** (Heriot-Watt University)
'Quantum imaging using single-photon detector array technology'
- 14:45** **Dr Konstantinos Lagoudakis** (University of Strathclyde)
'Title TBC'
- 15:00** *Tea/Coffee Break*

Session 5:

- 15:30** **Professor Sheila Rowan** (University of Glasgow)
- 16:00** **Professor Leo Hollberg** (Stanford University)
- 16:30** **Dr Abhinav Prasad** (University of Glasgow)
'A low cost MEMS gravimeter'
- 16:45** **Dr Mark Wiggins** (University of Strathclyde)
'Application of intense laser light: Accelerating particles & generating radiation'
- 17:00** **Closing remarks**