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

Monday 21st May 2018
09:00 Welcome and opening remarks

Session 1:
09:15 Prof. Sir Peter Knight (Imperial College London)
09:45 Prof. 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 Coffee

11:15 Prof. Ian Walmsley (University of Oxford)
11:45 Prof. Sheila Rowan (University of Glasgow)
12:15 Prof. Brian D. Gerardot (Heriot Watt University)
   Quantum photonics with two-dimensional semiconductors
12:30 Dr. Elmar Haller (University of Strathclyde)
   Quantum simulation of transport problems with ultracold atoms
12:45 Poster presentations (30 off at 1 minute each)

13:15 Lunch

Session 2:
14:15 Dr. Mark Sobey (Coherent, Executive Vice President and General Manager OEM Laser Sources)
14:45 Dr. Hans-Dieter Hofmann (Fraunhofer ILT)
15:15 Dr. Richard M. Carter (Heriot Watt University)
   Ultrashort Laser Welding of Highly Dissimilar Materials
15:30 Dr. Loyd McKnight (Fraunhofer CAP)
   Low SWAP Solid-State Laser Sources by Design

15:45 Tea

16:15 Business masterclass:
   Chaired by Profs. 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.

17:15 Posters/Exhibition/Pre-dinner Drinks

19:30 Banquet at Barony Hall, (21-00 Invited speaker (Prof Bob Byer))
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Tuesday 22nd May 2018

Session 3:
09:00 Prof. Audrey Bowden (Stanford University)
09:30 Prof. Daniel Palanker (Stanford University)
10:00 Dr. Niall McAlinden (University of Strathclyde)
   μLED 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 Coffee

Session 4:
11:00 Prof. David Miller (Stanford University)
11:30 Dr. Michael Strain (University of Strathclyde)
   Multi-layer hybrid photonic integrated circuits fabricated by micro-assembly
11:45 Dr. Alessandro Fedrizzi (Heriot Watt University)
   Multi-photon quantum information processing with ultrabright sources of pure photons
12:00 Dr. Lucia Caspani (University of Strathclyde)
12:30 Lunch

13:30 Prof. Michel Digonnet (Stanford University)
14:00 Prof. Bob Byer (Stanford University)
14:30 Dr. Jonathan Leach (Heriot Watt University)
   Quantum imaging using single-photon detector array technology
14:45 Dr. Matt Edgar (University of Glasgow)
   Computational photon-counting LIDAR
15:00 Tea

Session 5:
15:30 Prof. Leo Hollberg (Stanford University)
16:00 Dr. Ina Lefering (University of Strathclyde)
16:15 Dr. Abhinav Prasad (University of Glasgow)
   A Low Cost MEMS Gravimeter
16:30 Dr. Mark Wiggins (University of Strathclyde)
   Application of Intense Laser Light: Accelerating Particles & Generating Radiation
16:45 Closing remarks