



**University of Strathclyde, Technology & Innovation Centre
99 George Street, Glasgow**

Wednesday 29 May 2019

09:00 Registration: Exhibition and student posters

Tea and Coffee, Foyer

09:45 Welcome and Opening Address:

Prof Alan Miller, SUPA CEO

Prof Sir Jim McDonald,

University of Strathclyde, Principal and Vice Chancellor

Research Highlight Presentation

10:10 *"Cosmological tension in the dark universe? New physics or new data challenges"*

Prof Catherine Heymans, University of Edinburgh

Introduced by Prof Malcolm Longair, Chair of SUPA IAC

Early Career Researcher Highlights and Career Trajectories

10:40 *"Illuminating the vacuum: how light interacts with empty space"*

Dr Adam Noble, University of Strathclyde

Introduced by Prof David Ireland, University of Glasgow

11:00 Tea, Coffee and Refreshments: Exhibition and student posters

11:30 *"LED-based structured lighting to underpin future photon-level digital infrastructure"*

Dr Johannes Herrnsdorf, University of Strathclyde

Introduction by Dr Jennifer Hastie, University of Strathclyde

11:50 *"Highlights in experimental particle physics at the LHC: perspective from a junior researcher"*

Dr Serena Palazzo, University of Edinburgh

Introduced by Prof Paul Soler, University of Glasgow

12:10 *"Mirrors for gravitational wave detectors: from atomic structure to black holes"*

Dr Iain Martin, University of Glasgow

Introduced by Prof Ken Rice, University of Edinburgh

- 12:30** ***“Visualising dynamic magnetic events on the nano-scale using electron microscopy”***
Dr Trevor Almeida, University of Glasgow
Introduced by Prof Stephen McVitie, University of Glasgow
- 12:50** **Lunch: Exhibition and student posters**
- 14.00** ***“An adventure of microbes, mirrors and leadership”***
Dr Jana Schniete, University of Strathclyde
Introduced by Prof Gail McConnell, University of Strathclyde
- 14.20** ***“Twisted entanglement: enhancing quantum technologies with structured light”***
Dr Mehul Malik, Heriot-Watt University
Introduced by Prof Robert Thomson, Heriot-Watt University
- 14.40** ***“Exciting with light: Combining targeted gene and light delivery to optically manipulate cardiac activity”***
Dr Caroline Müllenbroich, University of Glasgow
Introduced by Prof Andy Harvey, University of Glasgow
- 15:00** **Student Experiences: SUPA 3rd Year Students**
Adam Fleming (St Andrews); Rosaria Lena (Strathclyde); Isla Barnard (St Andrews); Lucas Inigo Gamiz (Strathclyde); Emmy Gabriel (Edinburgh); Hunter Gabbard (Glasgow)
- 16:00** **Tea, Coffee and Refreshments: Exhibition and student posters**
- 16:30** **KEYNOTE SPEAKER:**
“Building quantum machines out of light”
Prof Ian A Walmsley, Provost of Imperial College London where he is also Chair of Experimental Physics
Introduced by Prof Martin Dawson, University of Strathclyde
- 17:30** **Closing Address**
Announcement of the winner of the SUPA Poster Competition
- 17:40** **Wine Reception**
- 18:25** **Close**