Royal College of Physicians of Edinburgh
9 Queen Street, Edinburgh EH2 1JQ

Wednesday 10 May 2017

08:45  Registration:
Tea and Coffee, Foyer: SUPA student poster competition finalists

09:45  Welcome and Opening Address:
Prof Alan Miller, SUPA CEO;
Prof Sir Tim O’Shea, University of Edinburgh

SUPA THEME HIGHLIGHTS: SUB DISCIPLINE THEMES

10:15  Astronomy and Space Sciences:
Introduction by Prof Ken Rice:
‘Direct Imaging of Exoplanets’: Dr Beth Biller

10:35  Condensed Matter & Materials Physics:
Introduction by Dr Chris Hooley:
Title ‘One Photon from Two-Dimensions: Quantum Photonics with 2D Semiconductors’: Dr Brian Gerardot

10:55  Nuclear and Plasma Physics:
Introduction by Prof David Ireland:
‘Relativistic plasma optics for controlling particle acceleration’: Prof Paul McKenna

11:15  Tea, Coffee and Refreshments: Exhibition including SUPA student poster competition finalists

11:45  Particle Physics:
Introduction by Dr Victoria Martin:
‘Recent advances in Lattice QCD’: Prof Christine Davies
‘Lattice QCD for Vub’: Mr Iwan Smith

12:05  Photonics:
Introduction by Dr Jennifer Hastie:
‘Soft Matter Photonics – New resonators, LEDs and Lasers (to study live cells)’: Prof Malte Gather

SUPA THEME HIGHLIGHTS: INTERDISCIPLINARY/IMPACT THEMES

12:25  Energy:
Introduction by Prof Paul McKenna:
‘Understanding and improving organic semiconductors for energy applications’: Prof Ifor Samuel
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| 12:45 | **Physics and Life Sciences:**  
|       | Introduction Prof Gail McConnell  
|       | ‘Fourier Ptychography: high throughput, high resolution microscopy with low-NA objectives’: Prof Andy Harvey  
|       | ‘Sensing deep and small: nanodiamond as a superresolution probe for biology’: Dr Brian Patton |
| 13:05 | Lunch, Foyer: Exhibition including SUPA student poster competition finalists |
| 14:20 | **Student Experiences: Examples from CDTs**  
|       | Condensed Matter; Applied Photonics; Integrative Sensing and Measurement; Soft Matter and Functional Interfaces |
| 15:40 | Tea, Coffee and Refreshments, Foyer: Exhibition including SUPA student poster competition finalists |
| 15:55 | **KEYNOTE SPEAKER:**  
|       | Prof Andrew Mackenzie, Max Planck Institute for Chemical Physics of Solids  
|       | ‘Strain-Tuning Quantum Materials’ |
| 16:55 | **Closing Address**  
|       | Announcement of the winner of the SUPA Poster Competition |
| 16:55 | **IoP Public Event: Refreshments**  
|       | Exhibition including SUPA student poster competition finalists |
| 17:25 | **KEYNOTE SPEAKER:**  
|       | Prof Wilson Poon, University of Edinburgh  
|       | ‘Making a (Physics) living out of Goo’ |
| 18:30 | Close of Meeting |