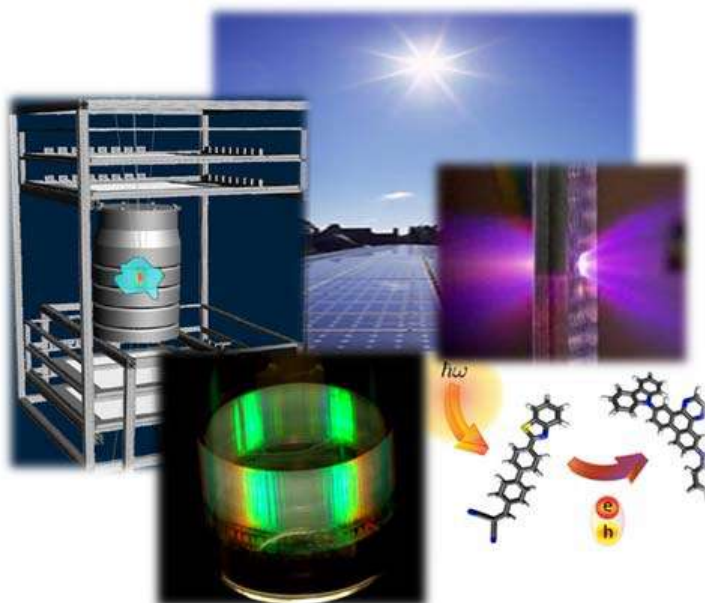


Energy



Innovative research impacting on the development of new emerging technologies

Groundbreaking research on energy related topics:

Solar (photovoltaic organic and crystalline cells), fusion (both magnetic and inertial confinement), nuclear waste tomography (with cosmic muons), energy storage (e.g. soft materials), lighting efficiency, light harvesting and power networks

State-of-the-art facilities available across partners including a clean room with advanced nano fabrication (St Andrews) and the SCAPA labs (Strathclyde)

Close integration with industry and SME partners such as the Culham Centre for Fusion Energy and Rutherford Appleton Laboratory

Collaboration on large, cross-pool, grant-funded research projects with EastCHEM, WestCHEM and SISER; on the Directorate of the Energy Technology Partnership; PhD projects undertaken within CDTs

Headline facts

~ 65 Academics, 40 PhD students working across SUPA themes

~ Regular theme-led papers in top-ranked journals including Nature group, Science group, Physical Review Letters and Advanced Materials

Theme Leader:

Paul Clegg
University of Edinburgh

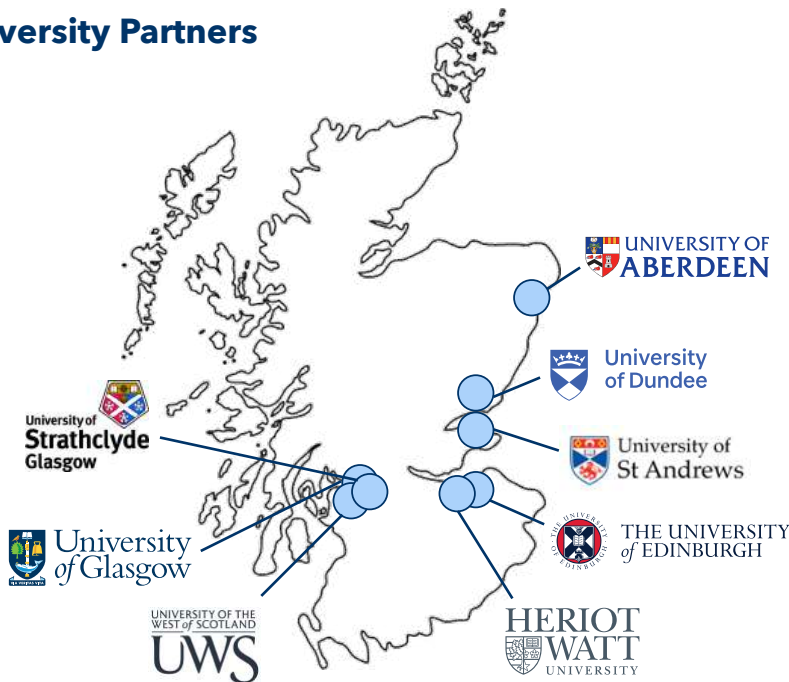




Scottish Universities Physics Alliance

Est. 2004

8 University Partners



7 Research Themes

- Astronomy & Space Sciences
- Condensed Matter & Materials Science
- Nuclear & Plasma Physics
- Particle Physics
- Photonics
- Energy
- Physics & Life Sciences

3 SUPA Associate Partners



SUPA is the strategic alliance of eight Physics Schools with a shared strategy for research, and has been highly successful in establishing Scotland as an international leader in research and advanced postgraduate training in Physics.

Collectively, SUPA forms the largest cluster of research power in physics in the UK, with a community of over 1,200 physicists (academics, research staff and postgraduate students) across Scotland.

Reflecting the strengths in our eight partner universities SUPA is theme led, with five sub-discipline themes, and two impact themes (Energy and Physics & Life Sciences).

SUPA Graduate School	600 registered PGR students 8 state-of-the-art video classrooms 50+ technical and transferable skills courses	SUSSP summer schools Annual showcase of research
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Headline Facts

Network of >1,200 physics researchers including:

- >300 Principal Investigators
- ~300 Post Doctoral Research Staff

Leading academics:

- 9 Fellows of the Royal Society
- 46 Fellows of the Royal Society of Edinburgh
- 10 RSE Young Academy / Global Academy Members

Numerous Personal Research Fellowships:

- 19 Royal Society
- 5 Royal Society of Edinburgh
- 15 Marie Curie
- 12 Chancellor's / Leadership Fellowships
- >30 Other

Major Awards:

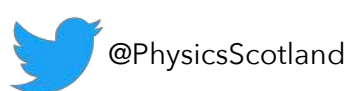
- 2018 Knighthood: Sir Jim Hough
- 2013 Nobel Prize: Peter Higgs

Research Performance during SUPA II (2010-2017):

- 37 European Research Council grants
- £381M of collaborative grant income
- £233M of non-collaborative grant income
- ~2,000 publications each year

Science Policy:

- Chief Scientific Advisor, Scottish Government: Sheila Rowan
- STFC Council: Richard Kenway, Sheila Rowan
- STFC Science Board:
 - Peter Clarke, Christine Davies, Rory Duncan, Paul McKenna
- EPSRC Strategic Advisory Group: Ifor Samuel
- Chief Scientific Advisor, Food Standards Scotland: Norval Strachan



Sign up to the SUPA newsletter: www.supa.ac.uk/newsletter