The Blackett Laboratory at Imperial College London is at the forefront of physics research and education. The internationally-leading research programme actively fosters the development of new knowledge and new areas of technology. We work hard to promote a culture of transparency and fairness recognised by being twice recipients of the Silver Swan and Juno Championship Awards. The Department offers three year BSc and four year MSci physics programmes including physics with: Theoretical Physics; a Year in Europe; Music; and Science Education. We also offer ten Masters level taught postgraduate courses, and are associated with a number of Centres for Doctoral Training leading directly to PhD studies.

The undergraduate and postgraduate student bodies are active members of our community who engage with a range of societies, social events and departmental committees.

We host on average:
- 850 undergraduate students;
- 360 postgraduate research students and 120 post graduate masters students;
- 190 postdoctoral researchers;
- 132 academic staff; 105 technical and support staff

The Department has good links to many UK and overseas industries. The Department’s Industry Club provides regular networking opportunities for staff and students. Thirteen companies have spun out from the department’s own research efforts, including Midaz Lasers, Molecular Vision, Solar Press, Quantasol and DeltaDot.

Find out more at www.imperial.ac.uk/physics/
The Blackett laboratory has been the recipient of several Nobel Prizes including: GP Thomson, PMS Blackett and Abdus Salam. It currently hosts two Knights of the Realm: Sir Peter Knight and Sir John Pendry and nineteen Fellows of the Royal Society.

The Department hosts internationally-recognised research across a wide range of physics. Research is carried out in the following four sections:

**Fundamental Physics** is concerned with the nature of space and time and the fundamental-properties of matter.

**Condensed Matter Physics** studies the fundamental physical properties of solids and liquids, both natural and man-made, and their applications.

**Photon Science** investigates the science and technology of modern optics and molecular and atomic physics.

**Space, Plasma and Climate** encompasses research from laboratory plasmas to astrophysics, concentrating on the behaviour of matter in the fluid state.

The Department was at the forefront of discovery of the Higgs Boson at the LHC in 2012, dramatically confirming the theoretical work by Tom Kibble of Imperial, Peter Higgs and others from nearly 50 years ago.

Other recent highlights include interrogating the true meaning of the quantum state, establishing the theoretical maximum electromagnetic field enhancement from nanostructured metals, exploring the upper atmosphere in the polar regions of Venus, and discovering a chiral order state in nanostructured ferromagnets.

**Outreach** [www.imperial.ac.uk/physics/outreach/](http://www.imperial.ac.uk/physics/outreach/)

The department offers a broad programme of outreach activities including support to teachers (e.g. through dedicated courses) and a unique degree course in Physics with Science Education. A comprehensive list of speakers for public lectures is provided on our web site, and we offer a work experience programme for sixth formers.

We provide a number of public lectures each year on campus. For example “The Amazing Quantum Worlds” is an outreach show which aims to help the audience to understand and engage with quantum mechanics, an area of physics which is often seen as complex.”

**Alumni** [www.imperial.ac.uk/physics/students/admissions/international-students/academic-ambassadors/](http://www.imperial.ac.uk/physics/students/admissions/international-students/academic-ambassadors/)

Our alumni are distributed all over the globe and we stay in touch through the Imperial College alumni office and the President and Rector’s visits abroad. The department has identified a number of academic staff (Academic Ambassadors) who travel regularly to specific countries. If you would like to meet up with them please take a look at the dates they will be visiting a city near you.