Applications are invited for four research studentships in the field of Tribology, leading to the award of a PhD degree. The posts are supported by a bursary and fees (at the UK/EU student rate) provided by the EPSRC in combination with Industry. Candidates should fulfil the eligibility criteria for the award. Please check your suitability at the following web site:
http://www.epsrc.ac.uk/skills/students/help/Pages/eligibility.aspx
All four projects will start as soon as possible and run for four years.

Tribology is the science of friction, lubrication and wear of rubbing surfaces, which plays an essential role in the operation of many machine elements (gears, bearings), but also in a wide range of biological processes, such as articular joints and human skin. Within this field, four openings are currently available, all focusing on processes that occur at the interface between contacting surfaces:

- Understanding the Mechanical and Tribological Behaviour of Foods, with Nestlé
- Developing Novel Greases, with Shell
- Durability of High Performance Engineering Plastics, with Hoerbiger
- Mechano-Chemical Solutions to Protect Fragile Skin against Shear, with Dept. of Bioengineering, Medicine and Design Engineering

All projects have a significant experimental component and will require the successful applicant to acquire expertise in the Group’s tribology test and analytical methods.

You will be an enthusiastic and self-motivated person who meets the academic requirements for enrolment for the PhD degree at Imperial College London. You will have a 1st or upper 2nd class honours degree in Mechanical, Bio- or Chemical Engineering or a related subject, and an enquiring and rigorous approach to research together with a strong intellect and disciplined work habits. An interest in Experimental work is essential, as are good team-working, observational and communication skills.

To find out more about research at Imperial College London in this area, go to:
http://www3.imperial.ac.uk/mechanicalengineering

For information on how to apply, go to:
http://www.imperial.ac.uk/mechanical-engineering/study/phd/how-to-apply/

For further details of the post contact Dr Marc Masen at m.masen@imperial.ac.uk or +44 (0)20 7594 7066. Interested applicants should send an up-to-date curriculum vitae to Dr Masen. Suitable candidates will be required to complete an electronic application form at Imperial College London in order for their qualifications to be addressed by College Registry.

Closing date: until post filled