Imperial College London

Department of Mechanical Engineering

PhD Studentship the feasibility study of superplastic forming and diffusion bonding of nickel-based superalloys

EPSRC Future Nuclear Energy Doctor Training Centre and UK Atomic Energy Authority co-found a PhD scholarship in the Novel Metal Forming Group - (Tuition fees paid, Living expenses of £16,500 per year for 4 years)

We will provide a full studentship to Home/EU students to support their research activities leading to the award of a PhD degree. The potential student should expect to obtain 1st or minimum 2:1 in his/her 1st degree from Mechanical/Materials Engineering/Physics Department.

The research work will be focused on the feasibility study of superplastic forming and diffusion bonding of nickel-based superalloys, stainless steel for key future fusion reactor parts. The Department was the top-ranked Mechanical Engineering Department in the 2014 UK REF exercise. The Novel Metal Forming group is recognised as being at cutting-edge research in hot and warm forming technologies for lightweight components and structures, which covers a wide range of activities e.g. theory, innovative testing, materials and process modelling. The Group has made a significant contribution to the development of new forming technologies and novel materials modelling methods.

To find out more about research at Imperial College London in this area, go to http://www.imperial.ac.uk/metal-forming/

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 Jun Jiang, at jun.jiang@imperial.ac.uk.

Interested applicants should send an up-to-date curriculum vitae to Dr Jiang. 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: 30th July 19

Imperial Managers lead by example. Committed to equality and valuing diversity. We are also an Athena SWAN Silver Award winner, a Stonewall Diversity Champion, a Two Ticks Employer, and are working in partnership with GIRES to promote respect for trans people