**Postdoctoral Research Associate**

**Department of Electrical Engineering, University of Liverpool, UK**

We are seeking to recruit a highly motivated individual to work on an EPSRC funded project.

You will be appointed as a Postdoctoral Research Associate (Salary £32,600 p.a.) within the group of Dr Xin Tu in the Department of Electrical Engineering and Electronics. The aim of the project is to investigate and develop a novel plasma-catalytic process for low temperature biogas reforming that can deliver affordable, sustainable and clean hydrogen for high grade energy applications. You will work on the use of plasma in combination of different catalysts for the conversion of biogas with impurities into hydrogen. Plasma synthesis/treatment of catalysts will also be explored to find cost-effective, highly active and stable (e.g. coke resistant) reforming catalysts for biogas conversion. The work involves an extensive experimental programme with a range of different catalysts with subsequent detailed analysis of the product gases and catalyst characterisation. You should have a PhD (or be about to obtain) in Physics, Chemistry, Chemical Engineering or related discipline. Experience in low temperature plasma processes for environmental clean-up or energy conversion is essential. Experience in plasma-catalysis and catalyst characterisation would be advantageous. The post is available for 10 months, commencing from 1st February 2016, or as soon as possible thereafter.

If you have any questions or need more detailed information, please contact Dr Xin Tu

([xin.tu@liverpool.ac.uk](mailto:xin.tu@liverpool.ac.uk)).