



## PostDoc Job Opportunity



DUBLIN CITY UNIVERSITY	First Name	Last Name	email	Institute	Address
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School:	Electronic Engineering				
Research Centre/ group affiliation:	DCU Energy and Design Lab (Rince Institute)				
Research group/ centre website:	<a href="http://energylab.eeng.dcu.ie/energylab/">http://energylab.eeng.dcu.ie/energylab/</a>				

### **Brief summary of research group/centre activity:**

The Energy and Design laboratory carries out fundamental and applied research focussed on the design, modelling, and analysis of sustainable energy systems and installations, and of energy-efficient devices. Our goal is to provide tangible benefits in product innovation and in economic and policy level energy strategies.

### **Description of postdoctoral project on offer:**

The project is to investigate, develop and characterise a range of deep decarbonisation pathways (DDP) appropriate to Ireland for the period to 2014-2050. This will be based on principles and methodologies adopted by the UN Sustainable Development Solutions Network (SDSN) in the international Deep Decarbonization Pathways Project (DDPP). The project will also adopt appropriate lessons from the Zero Carbon Britain project. The expected project duration will be 18-24 months.

### **Please indicate the core skills or disciplines that are required for this position:**

Primary degree and PhD in Engineering (Energy, Transport, Manufacturing, Built Environment). The candidate should have a deep technical understanding of energy systems in a modern developed economy, across all sectors (electricity, transport, buildings, industry, agriculture) as well as a firm grasp of the fundamental parameters of the deep decarbonisation as dictated by climate science and the requirements of global equity and justice.