



Call for Nominations



University College Dublin (UCD) is hosting a Graduate Research Conference entitled

Energy (Systems, Policy & Solutions)

19-22 June 2013, Dublin, Ireland

Universitas 21 (www.universitas21.com) is the leading global network of research-intensive universities which work together to foster global citizenship and institutional innovation through research-inspired teaching and learning and student mobility. Collectively, its 24 members¹ enrol over 1.3 million students and employ over 180,000 staff and faculty. Their collective budgets amount to over US\$25 bn and they have an annual research grant income of over US\$6.5 bn. The network's purpose is to facilitate collaboration and co-operation between the member universities and to create opportunities for them on a scale that none of them would be able to achieve operating independently or through traditional bilateral alliances.

The Conference will encompass 3 days of energy expert presentations, student competitions, activity sessions, a careers workshop and site visits to energy industrial stakeholders. The aim of the Conference is to provide an exciting, interdisciplinary environment for U21 graduate research students in the energy field to showcase their research findings and to strategically network and socialise with International experts in an informal setting. Delegates will also enjoy the UCD experience and engage with some of Ireland's leading academic and professional experts in energy such as the UCD Electricity Research Centre, the UCD Earth Institute, the Irish electric power transmission system operator EirGrid and the Irish Electricity Supply Board.

Applications from Graduate Research Students are invited under the following headings

Energy Systems (e.g. power system operations, life cycle analysis, sustainability management and conservation, electricity markets, fossil fuels, energy utilisation, smart cities)

Energy Policy (e.g. renewables targets, emissions trading, energy efficiency measures, climate policy, energy economics, regulation, energy security, societal behaviour and welfare)

Energy Solutions (e.g. renewable energy sources, smart electricity grid, carbon capture and sequestration, energy storage technologies, nuclear generation, hydraulic fracturing, demand-side response, electric vehicles, hydrogen economy, sustainable building design)

Application and Selection Process

Step 1

February 2013: Each U21 institution will implement a local process for the selection of PhD delegates. As appropriate, students should be selected from across the three themes. Each university may nominate up to five PhD students: three guaranteed nominees and two reserve nominees. If three students are selected, two oral and one poster presentation are desirable. Graduate student applicants should submit an abstract (250 words) addressing one of the following questions:

Theme 1 – Energy Systems

Is a smart, interconnected, low carbon energy infrastructure an achievable and desirable goal?

Theme 2 – Energy Policy

How far should / can we pursue renewables-based national and global energy policies, and what is achievable in medium- / long-term time horizons?

Theme 3 – Energy Solutions

Which technologies and incentives are required to meet future energy needs, recognising implementation costs, societal impact and local issues?

NB: Criteria for selection should include relevance to the question being asked, the quality of the abstract and the potential impact of the research

Step 2

2nd April 2013: Deadline for submission of selected nominees to Dr. Damian Flynn, UCD academic lead (damian.flynn@ucd.ie).

Step 3

April 2013: Nominated PhD delegates register with UCD.

UCD International will support visa applications. The €500 registration fee may be covered in whole, or in part, by a local Universitas 21 bursary. Please contact your local Universitas 21 contact point for information on available support.

Step 4

May 2013: Nominated PhD delegates to submit a short paper (1000 words) and materials for posters and/or presentations to UCD.

¹ **Australia:** University of Melbourne, University of New South Wales, University of Queensland **Canada:** McGill University, University of British Columbia **Chile:** Pontificia Universidad Catolica de Chile **China:** Fudan University, Shanghai Jiao Tong University **Hong Kong:** University of Hong Kong **India:** University of Delhi **Ireland:** University College Dublin **Japan:** Waseda University **Mexico:** Tecnologico de Monterrey **New Zealand:** University of Auckland **Singapore:** National University of Singapore **South Korea:** Korea University **Sweden:** Lund University **The Netherlands:** University of Amsterdam **United Kingdom:** University of Birmingham, University of Edinburgh, University of Glasgow, University of Nottingham **United States of America:** University of Connecticut, University of Virginia