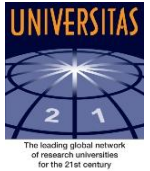




ENERGY RESEARCH AT UNIVERSITY COLLEGE DUBLIN



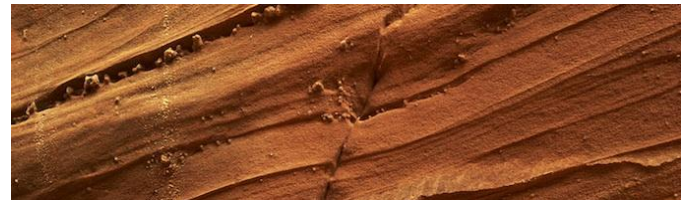
2013 Universitas 21 Graduate Research Conference 19th-22nd June 2013

Energy research groups across University College Dublin are working to provide solutions to the challenges faced by an energy dependent society. Located on the 300-acre Belfield campus of UCD, the largest university in Ireland, we research aspects of energy from renewable and fossil sources through conversion, transmission and distribution to the end user. Ireland has many advantages as a location for energy research, and is delivering on very ambitious targets in the integration of renewables. We work closely with partners in industries and research centres worldwide to provide solutions to national and global energy challenges. We also work to educate a new generation of world-class researchers and energy-aware graduates who can contribute to the needs of a rapidly changing energy sector.



ELECTRICAL ENERGY research at UCD is located in the Electricity Research Centre, an industry-university collaboration. The research themes, driven by the energy industry worldwide, span from system analysis, operations & control, and system planning to energy economics. erc.ucd.ie

GEOENERGY research at UCD covers areas such as Fault Analysis (hydrocarbons and minerals), Geophysics (seismology), and Marine and Petroleum Geology (petroleum exploration and reservoir analysis). www.ucd.ie/geology/research/groups.html



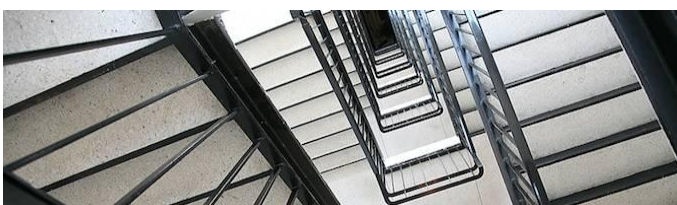
SOLAR ENERGY RESEARCH at UCD focuses on the development of Advanced Biomimetic Materials for power generation, CO₂ capture and fuel production as part of the Solar Energy Conversion Strategic Research Cluster. www.secluster.ie

ENERGY SENSING is studied in the Clarity research centre, which seeks to harvest and harness large volumes of sensed information, for analysis using adaptive sensing and information discovery technologies. www.clarity-centre.org



BIOENERGY research in UCD encompasses research in bioresources (biomass production & conversion technologies) and biocatalysis (enzyme engineering, bioprocessing, synthetic chemistry). www.ucd.ie/bioresources; www.ucd.ie/biocatal

WAVE ENERGY research at UCD seeks to contribute to the development of Wave Energy Converters (WECs) through the study of wave impact on WECs and of arrays of WECs. www.ucd.ie/mathsciences/research/



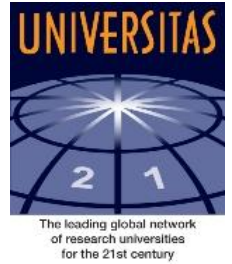
ENERGY IN BUILDINGS AND MECHANICAL SYSTEMS includes research into building energy, ventilation, heat pump & refrigeration systems, low energy systems, vehicle & generation emissions. www.ucd.ie/eacollege/mme/



2013 Universitas 21 Graduate Research Conference

ENERGY – Systems, Policy & Solutions

June 19th-22nd, 2013



HOST: University College Dublin (UCD)

LOCATION: Dublin, Ireland

TOPIC: ENERGY – Systems, Policy & Solutions

CONFERENCE DATES: 19th-22nd June 2013

CONFERENCE LANGUAGE: English

COSTS: Registration Fee for participants - €500, includes campus accommodation and meals for the duration of the conference, does not include airfare, visa costs, health insurance.

NOMINATION PROCESS: Each Universitas 21 Partner University is invited to nominate 3 graduate research students to participate across the three themes of this event: Energy-Systems, Policy and Solutions.

IMPORTANT DATES:

- Registration Deadline- April 2nd 2013
- Conference Start- June 19th 2013
- Conference End- June 22nd 2013

CONTACT: For more information, please contact

Dr. Damian Flynn (damian.flynn@ucd.ie) Academic Conference Lead

Dr. Janet Carton (janet.carton@ucd.ie) Conference Manager

