



# Durham University

## // Energy training and postgraduate research

**Durham University** is a World top 100 university, ranked 6<sup>th</sup> in United Kingdom overall, ranked in the world top 40 for the employability of our students and is the 3<sup>rd</sup> oldest university in England. Located in the North East of England, it is a distinctive - residential collegiate university with long traditions and modern values. We seek the highest distinction in research and scholarship and are committed to excellence in all aspects of education and transmission of knowledge. Our research and scholarship affect every continent. We are committed to research and research-led teaching and our research partners create research and employment opportunities for our students.

**Durham Energy Institute (DEI)** draws on the expertise of world-leading researchers across Durham University with a membership spanning departments in science, social science and Humanities. We nurture research on a wide-range of energy technologies including geo-energy, renewables generation (wind, solar, hydro, bio) and integration, bio-fuels, smart grids, and nuclear. We also emphasise a 'Science and Society' approach to energy which tackles the societal aspects of energy technology and explores the social, political and economic implications of technological developments.

DEI addresses energy challenges collaboratively through strong partnerships with industry, international partners, governments, community groups and other academic institutions. This ensures our research is relevant, timely and effective. Key partners include Ørsted (formerly known as DONG Energy), BP, IBM, DFID, World Bank, UN, Alstom, National Grid, Chevron, EDF and Carillion.

### Postgraduate taught courses

- **MSc Energy and Society** [www.durham.ac.uk/mscenergyandsociety](http://www.durham.ac.uk/mscenergyandsociety)
- **MSc New and Renewable Energy** [www.durham.ac.uk/engineering/postgraduate/msc/nre/](http://www.durham.ac.uk/engineering/postgraduate/msc/nre/)
- **Multidisciplinary Centre for Doctoral Training in Energy** [www.durham.ac.uk/dei/cdt/](http://www.durham.ac.uk/dei/cdt/)
- **NERC Oil and Gas Centre for Doctoral Training** [www.durham.ac.uk/cerees/scholarship/](http://www.durham.ac.uk/cerees/scholarship/)
- **EPSRC Fusion Science & Technology Centre for Doctoral Training** [www.fusion-cdt.ac.uk/](http://www.fusion-cdt.ac.uk/)
- **MSc Environmental and Natural Resource Economics**  
<http://www.dur.ac.uk/business/programmes/masters/masters-in-economics/environmental/>
- **MSc in Sustainability, Culture and Development Anthropology**  
[www.durham.ac.uk/anthropology/postgraduatestudy/taughtprogrammes/sustainability/](http://www.durham.ac.uk/anthropology/postgraduatestudy/taughtprogrammes/sustainability/)
- **Masters in Risk** [www.durham.ac.uk/geography/postgraduate/riskmasters/](http://www.durham.ac.uk/geography/postgraduate/riskmasters/)
- **MSc Electronic and Electrical Engineering & MSc Advanced Mechanical Engineering**  
<https://www.durham.ac.uk/engineering/postgraduate/msc/>
- **Energy Summer School** [www.durham.ac.uk/international/summerschool/](http://www.durham.ac.uk/international/summerschool/)
- **Masterclasses and bespoke training for industry, policy sectors and postgraduate students**  
[www.durham.ac.uk/dei/training](http://www.durham.ac.uk/dei/training)



### Postgraduate Research Opportunities

We welcome enquiries about PhD and Masters research projects from prospective students in any of our many energy research areas.

You can find details of Masters or PhD research projects currently on offer or being undertaken at Durham University at

<https://www.durham.ac.uk/dei/training/postgraduate.topics/>

### Key energy research areas offering PhD and Masters research:

Wind Energy [www.durham.ac.uk/dei/research/windresearch/](http://www.durham.ac.uk/dei/research/windresearch/)

Solar Energy [www.durham.ac.uk/dei/photovoltaics/](http://www.durham.ac.uk/dei/photovoltaics/)

Hydrocarbons and geo-energy [www.dur.ac.uk/dei/research/geoenergy/](http://www.dur.ac.uk/dei/research/geoenergy/)

Geothermal [www.durham.ac.uk/cerees/research/geothermal/](http://www.durham.ac.uk/cerees/research/geothermal/)

Biofuels [www.durham.ac.uk/dei/biofuelsresearch/](http://www.durham.ac.uk/dei/biofuelsresearch/)

Energy systems

[www.durham.ac.uk/dei/research/energyconv\\_trans\\_distrib/](http://www.durham.ac.uk/dei/research/energyconv_trans_distrib/)

Society and Energy [www.durham.ac.uk/dei/research/societyandenergy/](http://www.durham.ac.uk/dei/research/societyandenergy/)

Smart Grids [www.durham.ac.uk/dei/research/smartgrids/](http://www.durham.ac.uk/dei/research/smartgrids/)

Turbomachinery [www.durham.ac.uk/dei/turbomachinery/](http://www.durham.ac.uk/dei/turbomachinery/)

Economics, regulation and policy

[www.durham.ac.uk/dei/research/econ\\_reg\\_and\\_policy/](http://www.durham.ac.uk/dei/research/econ_reg_and_policy/)

Nuclear Fusion [www.durham.ac.uk/dei/research/fusion\\_energy/](http://www.durham.ac.uk/dei/research/fusion_energy/)

Materials for Fuel Cells and Batteries

[www.durham.ac.uk/dei/research/energy.materials/fuel.cells.batteries/](http://www.durham.ac.uk/dei/research/energy.materials/fuel.cells.batteries/)

### The Multidisciplinary Energy Centre for Doctoral Training (CDT) at Durham

provides the space and opportunities for PhD students to explore energy from multiple angles and gain a broader understanding of energy issues reflecting the Durham Energy Institute's "Science and Society" approach. This innovative multidisciplinary training programme, unique in the UK, enables the PhD students to develop the full range of skills required to understand, analyse and deliver advanced technical and social solutions to the energy problems we are facing. The CDT achieves these aims through a rich and varied programme of energy site visits, and seminars and workshops run by academics from a variety of energy fields, key energy industry partners and policy makers. [www.durham.ac.uk/dei/cdt](http://www.durham.ac.uk/dei/cdt)



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