



# Smart Energy and Decarbonisation Summer School

7-8 June 2022

## An invitation to apply

To fight climate change, many countries have pledged to realise net-zero or carbon neutrality. Decarbonisation of transport is at the centre of such efforts. There are flourishing research activities in the areas of smart and connected mobility, and electrification of transport. The **Smart Energy and Decarbonisation Summer School** will focus on how transport decarbonisation fits into the wider context of evolving energy systems in the UK and worldwide, including power grid decarbonisation, smart and connected mobility, electric vehicle charging, and smart grid technologies. **The call for applications for the Summer School is now open.**

Participants, along with researchers and academics from [DecarboN8](#) (funded by EPSRC) and [TESTBED2](#) (funded by the EU), will explore a variety of concepts and approaches for studying evolving energy system, smart mobility and transport electrification, together with field visits to advanced research facilities in the Northeast region.

The Summer School is an opportunity to meet and collaborate with other research students and early career researchers. The two intensive days will be academically challenging and fun, with presentations, indoor and outdoor workshops and networking activities. Participants will also have the chance to discuss their research projects and ideas with experienced researchers and leading academics in the project networks.

We invite applications from students in relevant research areas including PhD students and Masters students planning to do a PhD. Postdoc researchers or early career researchers (within 3 years of their PhD award) are also welcome.

The Summer School will be based at Durham University with some activities in Newcastle. Accommodation, catering, and transportation between activities will be provided. Participants must arrange and pay for their own travel to and from Durham.

### How to apply

Complete and submit the online application form: <https://forms.gle/TqPhRfQ8WMve8kUu8>

**Deadline for applications:** 30 April 2022

**Confirmation of place:** 9 May 2022

If you have any questions, please contact Tina Shield [c.a.shield@leeds.ac.uk](mailto:c.a.shield@leeds.ac.uk)

[DecarboN8](#) is an EPSRC funded network+ which brings together business, government and academia across the North of England. We aim to create an innovation ecosystem and test bed environment which allows us to trial and accelerate the adoption of low carbon transport solutions. DecarboN8 takes a place-based approach recognising that different solutions might be needed for different types of area while also acknowledging joined up thinking is also important.

[TESTBED2](#) is an EU funded network of 12 Universities and 5 enterprises (3 SMEs and 2 large enterprises) to address the research problem: to what extent the performance and function of smart grids can be maintained without having significant increase of the computational complexity when its scale is changed in terms of smart grid infrastructure size or the number of devices/users?