



## St John's College PhD Studentship in Transforming Energy Use in Buildings

**Award value:** Fees + maintenance at EPSRC rate

**Award duration:** 3.5 years (fixed length)

**Award purpose:** Fees (Home), Maintenance

**No. of awards:** 1

**Who can apply:** prospective applicant/current student

**Level of study:** PhD

**Mode of study:** full time

**Department:** Department of Earth Sciences (DES)

**College:** St John's, unless already a member of another College in which case they may transfer to St John's or remain at their current College according to their preference.

**Basis of award grant:** Academic merit

**Deadline:** 15 January 2021

### Other eligibility:

Applicants must be accepted as a postgraduate student by the University of Cambridge.

PhD students who have already started their doctoral studies are not eligible.

### Project details

As part of the College's decarbonisation strategy and in line with its commitment to responding to the climate emergency, thanks to the support of a generous donor, St John's will award a fully-funded PhD studentship in 2022.

**Topic:** Modelling the Decarbonisation of St John's College

**Details:** We are pleased to offer a fully funded PhD for 3.5 years to work on effective approaches to energy efficiency and energy savings in residential properties. This will involve the development of models and data collection and testing for the decarbonisation of St John's College through the combination of various low energy systems to provide heating, including ground source heat pumps, hybrid heating and distributed heating systems, as well as the possible use of heat storage systems. The successful student will be directly involved in informing future plans for the college.

The work will be supervised by Prof. Andy Woods, and the student will interact closely with the College Energy Working Group which is charged with developing a decarbonisation strategy.

### Further info

- The funding is available at the Home/UK fee rate.
- The Studentship will cover University and College fees plus a maintenance award comparable to the standard EPSRC grant, plus a standard Case top-up award.
- Candidates should ideally have a 1st class degree in Engineering, Chemical Engineering, Physics or Mathematics.
- For further details or questions prior to applying, please contact Prof. Andy Woods, [aww1@cam.ac.uk](mailto:aww1@cam.ac.uk)

### Applications

Please submit the following via email to [senior.tutor@joh.cam.ac.uk](mailto:senior.tutor@joh.cam.ac.uk) with 'PhD in Energy Studies' as the subject line:

- a CV including University exam results/grades and their A Level (or equivalent) results;
- a 500 word statement of interest in the general area of the project;
- 2 reference letters from eg academic supervisors or tutors.