

Research Fellow

Who are we?

We are the University of Cambridge presence in Singapore called Cambridge CARES, sponsored by the NRF CREATE program CAM.CREATE. The research programme Cambridge Centre for Carbon Reduction in Chemical Technology (C4T) is a joint Cambridge, NTU and NUS research activity within Cambridge CARES.

Our team is comprised of world-class scientists and engineers working in a vibrant, fast-paced environment with great opportunities for knowledge and skills development.

Who are we looking for?

We are looking for a talented and creative Research Fellow to support the C4T research team.

Primarily, we are looking for an individual dedicated to world-leading research. You will

- Analyse technoeconomic data on current and projected energy use for the maritime sector.
- Develop models for the future energy consumption of alternative fuels for shipping.
- Develop business models for the Power-to-X proposals as applied to the maritime sector and to Singapore.
- Develop quantitative tools for ranking from an energy consumption, decarbonisation and economic perspectives the various propositions for decarbonisation of the shipping sector.

What skills do you have?

- A PhD degree in a relevant discipline such as Engineering, with an emphasis on energy, systems, or technoeconomic analysis, or a related subject.
- Background in energy systems.
- Background in business.
- Well organized and able to deliver to deadlines in a dynamic environment.
- Excellent oral and written communication skills in English.

What can we offer you?

- A stimulating working-environment with friendly, highly motivated colleagues.
- Opportunities to develop and implement new ideas in a creative environment.
- A competitive salary in line with your skills and experience.
- A one-year contract in the first instance, extendable following a satisfactory performance.
- A comprehensive medical insurance coverage as part of your employment.

Please note this post is mainly based in the CREATE Tower at NUS University Town, Singapore and is likely to be suitable for recent graduates.

How to apply?

Please send your CV and cover letter (summarizing the most relevant skills and experience that you have for the position) to

recruitment@cares.cam.ac.uk