

## **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

- Numerically investigate turbulent reacting flows
- Develop CFD models for natural gas marine engines
- Develop novel turbulent combustion models for dual-fuel and jet-ignition engines

### **What skills do you have?**

- A PhD degree in a relevant discipline such as Chemical/Mechanical Engineering, or a related subject.
- Background in computational and turbulent combustion.
- Background in CFD and codes such as openFOAM, CONVERGE, FLUENT etc.
- Good knowledge of high programming languages such as C++ and Fortran.
- Good knowledge of massively-parallel high-performance computing.
- 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](mailto:recruitment@cares.cam.ac.uk)