Who are we?

We are the University of Cambridge’s presence in Singapore, Cambridge CARES. Our activities are sponsored by the National Research Foundation’s CREATE programme. Our first research programme, Cambridge Centre for Carbon Reduction in Chemical Technology (C4T), is a collaboration between University of Cambridge, Nanyang Technological University and National University of Singapore.

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 models for marine diesel engine
• Develop kinetic models for particular emissions

What skills do you have?

• A PhD degree in a relevant discipline such as Chemical/Mechanical Engineering, or a related subject
• Background in computational simulation tool on population balance modelling
• Background in CFD
• Background in numerical methods
• Good knowledge of high programming languages such as C++ and Fortran
• Well organised 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 that this post is mainly based in the CREATE Tower at NUS University Town, Singapore. To apply, please send your CV and cover letter (summarising the most relevant skills and experience that you have for the position) to cares@hermes.cam.ac.uk.