Who are we?

We are the University of Cambridge presence in Singapore called Cambridge CARES, sponsored by the NRF CREATE program CAM.CREATE. In the new research initiative of NRF we are participating in a joint research project with the University of Berkeley’s presence in Singapore, BEARS. The research programme “A table top chemical factory for the reduction of CO$_2$ to chemicals” is a joint CARES, BEARS, NUS and NTU activity.

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 to fill a vacancy of a Research Engineer to work on integration of the components of the electrochemical CO$_2$ conversion and separation system into a functional demonstration device. This will involve working closely with the team of researchers who are developing new electrodes and scaling up the electrochemical cell, and working on product separation. Specifically, this role will be primarily responsible for assembly and operation of the integrated plant; the role holder will be working on the assembly of the table top factory, building its automation and control system, and running routine experiments on the components, and on the integrated plant.

What skills do you have?

You would have experience in working in a chemical laboratory, working with compression fittings, assembly of chemical apparatus including electronic components, such as mass flow controllers, running experiments with gases and liquids, have experience of handling pressurized gases, have basic knowledge of chemical safety, interfacing laboratory equipment with data acquisition equipment, and developing LabVIEW interface to control laboratory equipment.

When is position available and for how long?

The position is available immediately as a fixed-term contract with the end-date of 31 December 2020. The position will be offered subject to probationary period of six months.

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 satisfactory performance.
- A comprehensive medical insurance cover 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.