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Open Position: Research Assistant in Sustainable Energy Conversion Reactions

The global consumption of fossil fuels is increasing. Since its supply is limited and will eventually run out, finding other sources of fuels is a pressing task for mankind. To this end, we are working to develop efficient electrocatalysts for sustainable energy conversion reactions. Systems of interest include the electrochemical reduction of carbon dioxide to liquid fuels and water splitting to hydrogen gas. The macroscopic aspects of these reactions are generally understood. However, we still do not comprehend them at the molecular level. This prevents us from designing better systems with the required efficiency and sustainability to be economically viable. We will address this issue by applying analytical tools to understand the mechanistic, electronic and structural aspects of these processes. This knowledge will then be used to direct our efforts to develop better electrocatalysts.

We are looking for a research assistant with a scientific background in electrochemistry and heterogeneous catalysis. The research assistant's work will be to develop catalytic systems for the conversion of CO₂ to liquid fuels at the Solar Energy Research Institute of Singapore. The research assistant will be concurrently enrolled in the graduate program (PhD) in the National University of Singapore. Proficiency in spoken and written English is required.

If you would like to work with us, please email Asst. Prof. Boon Siang Jason Yeo (a) a *personal* cover letter, (b) a curriculum vitae, and (c) contact details of two referees. The successful candidate will be admitted to the graduate program in the NUS. The position is full-time. *The citizens and permanent residents of Singapore are especially encouraged to apply for this position.*

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