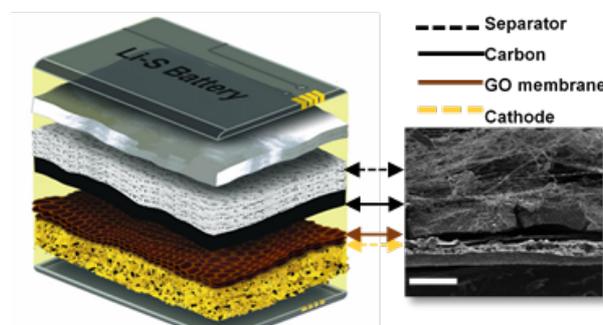


## PhD OPPORTUNITY

**Overview:** Battery technologies are rapidly evolving to keep up with the demands for energy storage technologies. Lithium-Sulfur batteries are noted for their high densities and low cost, but has several challenges regarding cycle stability, capability to handle practical charge-discharge cycles and safety issues. We are undertaking research particularly on the aspects of materials development as well as novel battery architectures to enhance the performance of these devices.



Shaibani et al., ACS Nano, 2016

**Description:** A PhD position is available to undertake research into Li-S battery technologies funded by the industry. The position is for 3.5 years and the candidate can receive additional top-up scholarship if they are able to secure Monash University scholarships.

*Background:* A master's degree with background in electrochemistry & materials science will be ideal, but candidates with degrees in chemical, chemistry and chemical engineering are also encouraged to apply.

*Essential skills:* Good written and oral communication skills, ability to work in a collaborative environment, time management and ability to deliver on deadlines. Experience in working with industry partners and demonstrated project management skills is necessary.

**About Monash and Melbourne:** Monash is consistently ranked within the top 100 universities in the world and a member of the prestigious group of eight universities of Australia. The Clayton campus, where the candidate will be located, is about half an hour drive from Melbourne CBD. Unique facilities close to Monash include the Australian synchrotron, Melbourne Center for Nanofabrication (MCN) and CSIRO laboratories. A suite of exciting platforms are available for conducting high quality research such as the Monash Center for Electron Microscopy, the New Horizons Collaboration Center, the green chemistry precinct and Monash Micro Imaging facility.

Please contact Associate Professor Mainak Majumder for further enquiries and/or expressions of interest. E: [mainak.majumder@monash.edu](mailto:mainak.majumder@monash.edu) Application deadline addressing the selection criteria: 25<sup>th</sup> August, 2017