



THE UNIVERSITY OF  
SYDNEY

School of Chemical and Biomolecular Engineering

# SEMINAR INVITATION

## Lithium batteries research activities at CSIRO Manufacturing, Battery Materials & Design Team

Presented by

**Dr Marzi Barghamadi**

CSIRO Manufacturing, Clayton South, VIC 3169, Australia

**Date:** Wednesday 3<sup>rd</sup> May 2023  
**Time:** 3:30 pm – 4:30 pm (Sydney time)  
**Venue:** Room 407, Building J01  
**Also Via Zoom:** 522 796 0108

### Speaker Details:

Dr Marzi Barghamadi is a Research Scientist at CSIRO Manufacturing leading Battery Materials and Design Team. The Team includes scientists, postdoctoral fellows, and students working on different aspects of lithium ion/ metal batteries to support Australian and international industries in solving their scientific and technical challenges, and to contribute to future scientists' education in the area. Her research interests are electrolytes formulation and optimisation (including ionic liquids), modified separators, modified electrode fabrication/ composition/ surface, cell electrochemical studies and customised cell fabrication for both lithium metal (mainly Li-S) and lithium-ion batteries. Marzi has received multiple prestigious awards such as 2020 L'Oréal-UNESCO For Women in Science Fellowship, 2021 Victoria Fellowship in Physical Sciences, and 2021 Clean Energy Council's Chloe Munro Scholarship.

Marzi is also an advocate for facilitating women's networking in science and their career skill development through her involvement in Women in Chemistry (WinC) Group- Royal Australian Chemical Institute (RACI) Victoria since 2014.



### Seminar Details:

Battery Materials and Design (BM&D) Team brings together people with different expertise in battery materials and devices including chemistry, materials sciences, and electrochemistry. The BM&D Team have played a critical role in the establishment of the CSIRO Revolutionary Energy Storage Systems (RESS) FSP, to deliver research outcomes in Energy Storage devices, and more specifically in electrochemical devices. The team is working closely with industry and academia sectors, both in Australia and globally. All these efforts are supporting Manufacturing BU strategies in developing and adopting of clean energy in Australia and globally. During this seminar Marzi Barghamadi will present an overview of the current research activities in the team and the topics of interest to also discuss potential collaboration opportunities in battery areas.