

PhD Projects with SoMAC CRC

Background

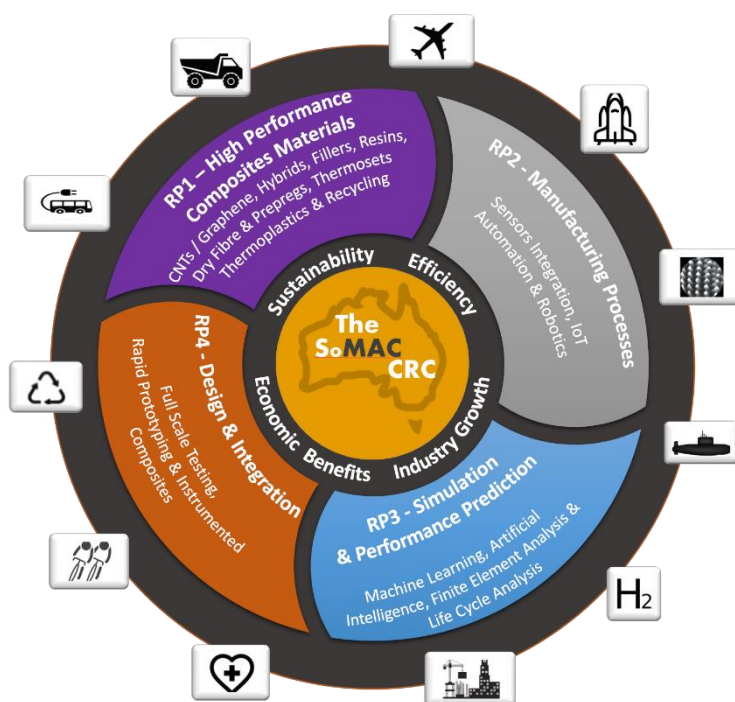
UNSW is proud to be the lead organisation for the successful [Sovereign Manufacturing Automation for Composites CRC](#) (SoMAC CRC) has brought together 36 partners in a \$260 million program under Australia's Cooperative Research Centres program.

Australia is entering a decade of transformation with the arrival of intelligent manufacturing automation and emergence of new high-value industries. SoMAC CRC will address these opportunities and strengthen current industry with digital-export-ready, cost-competitive, high-quality platform capability.

SoMAC CRC's vision is to transform Australia's established composite technologies capability into Sovereign leadership, creating a world-class, highly automated, digitally-enabled, network of designers, manufacturers and service providers.

Recognising the critical role of engineering excellence, intelligent automation and advanced technology implementation in accessing an international industry valued at \$100 billion, SoMAC will underpin a next generation of manufacturing industry supporting a forward-looking Australia, including:

- Hydrogen economy
- EV cars and buses
- Space and low-earth-orbit vehicles
- Onshore and offshore infrastructure
- Aircraft and future defence industry
- Consumer goods including sporting and solar
- Recycling industry



Projects

UNSW will be home to around 40 SoMAC PhD projects in the next 10 years. The projects will be aligned with our industry partner needs and will include a diverse range of addition training and support (entrepreneurship, leadership, etc). We aim to create the next generation of industry leaders, with a deep understanding of research and innovation. Visit the [SoMAC website](#) to see the industry partners and broad research areas.

Candidates and Scholarships

We are seeking highly motivated PhD candidates. The SoMAC CRC program will provide a range of scholarships, for fully funded to generous top-ups for domestic RTP scholars.

Candidate requirement:

- Bachelors or Masters degree in a related field (Aerospace, Mechanical, Manufacturing, Materials). Students in their final term may also apply.
- Meeting the requirements for PhD and scholarship eligibility (generally 1st class honours or equivalent).
- An interest in composite materials modelling, manufacture and testing.



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