



Trailblazer
Recycling &
Clean Energy

TRaCE HDR Program

The Trailblazer for Recycling and Clean Energy (TRaCE) Higher Degree by Research (HDR) Program is designed to promote collaboration between universities and industry, increasing sovereign capability to support and fast track commercialisation and deliver the critical skills needed to propel clean energy industries into the future.

Through co-designed research projects and hands-on experience, TRaCE will empower a new generation of researchers to investigate and address industry challenges, with their innovative solutions benefiting the environment, our economy and communities.

TRaCE HDR Projects

TRaCE HDR projects will deliver tangible outcomes in collaboration with our partners, making industries more sustainable and economically efficient.

TRaCE targets four complementary research themes to shift toward renewable energy sources, cost-effective and efficient alternatives to fossil-fuel based products as well as recycling and re-use of waste materials.

Eligibility

Eligible projects will:

- Align with the TRaCE research themes
- Have an actively involved Industry partner
- Meet the requirements of a PhD or Research Masters project



Solar Tech

Accelerating the integration and scale of solar technologies



Clean Energy

Electrifying energy systems and improving storage



Sustainable Fuels

Scaling up sustainable fuels and chemicals



Circular Economy

Recycling, reforming and reusing waste materials



Benefits for Students

- A stipend top up of up-to \$10k p.a.
- Up-to \$4k p.a. additional TRaCE Professional Development Support funding to tailor your HDR experience in line with your research and career goals
- Knowledge and expertise through exposure to a team of multidisciplinary researchers and industry professionals
- Tailored training through the Doctoral Training Centres to promote professional skills development, including sector and industry relevant workshops, seminars/short courses and industry site tours. Candidates may also choose to be further supported through the University Industry Engaged PhD Pathway
- Valuable industry engagement opportunities, including conferences and engagement with peak industry bodies and other relevant associations
- Delivered in partnership with UNSW, the TRaCE program will allow you to access services networks and engagement opportunities across both universities

Industry

- Access to a team of highly skilled, multidisciplinary University researchers to develop emerging technologies and deliver impactful research
- Training of potential high value future employees, producing industry leaders of tomorrow
- Networking opportunities with TRaCE partners, driving business development and commercialisation
- Utilisation of University facilities, including a suite of new, state-of-the-art industrial research infrastructure through the TRaCE program

About TRaCE

The Trailblazer for Recycling and Clean Energy (TRaCE) is moving clean energy and recycling technologies from out of the lab into global markets. Delivered by UNSW Sydney and the University of Newcastle, TRaCE aims to partner with and support industry, research and education partners to fast-track the energy transition.

By creating a new and lasting ecosystem of support, TRaCE will help develop and scale commercially viable products, ensure we have the critical skills to manufacture them in Australia, and reduce carbon emissions.

Apply now

The University of Newcastle is now accepting applications for TRaCE HDR projects.

University of Newcastle applications should be completed by the Chief Investigator and emailed to trace@newcastle.edu.au

For detailed program guidelines and application documents, please visit newcastle.edu.au/trace-hdr

Contact us

For more information about the TRaCE HDR program, contact the TRaCE team at trace@newcastle.edu.au

A collaborative partnership between

Supported by



Australian Government
Department of Education

newcastle.edu.au/trace-hdr

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