



Australian
Robotics
Centre



People with robots

The future of Australian manufacturing

Industrial transformation Training Centre in Collaborative Robotics
funded by the Australian government through the Australian Research Council



Australian Government
Australian Research Council

About

The Australian Cobotics Centre is a collaboration between researchers and Australian manufacturing businesses and their workforces. The Centre aims to create a safer, more efficient, & globally competitive manufacturing industry through the development & integration of collaborative robotics (cobotics) technologies. It was established in 2021 with a \$4.9 million grant from the Australian Government through the Australian Research Council's Industrial Transformation Research Program.

Our Partners

Diversity of industry experience
with multi-disciplinary researchers



InfraBuild
Building futures through sustainable steel



Primary Funding



Australian Government
Australian Research Council

Collaborative robotics will benefit Australian companies, especially small businesses (who will win on process innovation and lower costs), manufacturing workers (whose jobs will become safer and higher-skilled), and the economy (through the growth of jobs and exports).

The Centre's aim is to build the collaborative robotics capability within Australian manufacturing. To achieve this the Centre will focus two areas:

- The collaborative robotics expertise, and,
- The skills to manage the human and design factors, business adoption, management quality, and workforce issues that may arise through the implementation of new technology.



Our Research Programs

The Australian Cobotics Centre has five research programs that address the technological and business outcomes required to implement Cobotics within the manufacturing industry.

The programs and their projects have been designed to maximise collaboration between industry partners and across the universities.



Biomimic Cobots

Enabling cobots to mimic humans in acquiring perception, awareness, adaptation & manipulation skills.



Human-Robot-Interaction

Designing robots that work better with humans.



Designing Socio-technical Robotic Systems

Designing manufacturing systems, products and spaces that connect humans and robots.



Quality Assurance and Compliance

Creating tools for the specification, capturing, monitoring and evaluation of the digital thread.



Human-Robot Workforce

Understanding the impact of robots on skills, jobs, workers and workplaces.

Partner Benefits

The Australian Cobotics Centre offers a flexible and adaptive approach to research which mirrors the needs of partners.



Access to International and national research expertise in robotics, design, engineering and industrial relations.



A range of technological and business research outcomes with commercialisation potential in your field.



The opportunity to help drive policy change and a platform to showcase their company's innovation.



Access to an industry network as well as a toolkit to support the implementation of cobotic technology.



Join Us

We welcome organisations to collaborate on our research programs as Translation Partners. We work closely with our partners to understand the business drivers around the implementation of Cobotics and associated technology. We offer a number of membership options depending on your organisation's financial position, ability to provide resources and where you are at in the automation journey.

LEVEL A
\$80-90,000
per year

Lead organisation for 3 research projects and supporting the research of 4-5 other projects.

Partners at this level can expect:

- 3 x PhD projects whose topics is related to the partner's organisation
- Up to 80% of a postdoctoral researcher's time.

LEVEL B
\$40-60,000
per year

Lead organisation for 2 research projects and supporting the research of 3-4 other projects.

Partners at this level can expect:

- 2 x PhD projects whose topics is related to the partner's organisation
- Up to 60% of a postdoctoral researcher's time.

LEVEL C
\$10-15,000
per year

Lead organisation for 1 research project and supporting the research of 1-3 other projects.

Partners at this level can expect:

- 1 x PhD projects whose topics is related to the partner's organisation
- Up to 20% of a postdoctoral researcher's time.

If you are unsure about how cobotic technologies and solutions can benefit your organisation, we also offer other options to work with us.

These options can include one-off workshops to evaluate business readiness, PhD researcher internships, or sprints where our researchers are embedded in your organisation to complete short projects that deliver high return for low investment.

For more information visit
www.AustralianCobotics.org

