



UNSW
SYDNEY



Social Robotics

A cross-disciplinary research environment dedicated to understanding how humans can interact with three-dimensional robotic agents and responsive structures within the context of creative and social robotics.

Competitive advantage

- The Creative Robotics Lab is one of the first teams in the world to take an informed multi-disciplinary approach to human-computer and human-robot interface
- The National Facility for Human-Robot Interaction Research is a state-of-the-art data collection facility for studying and evaluating Human-Machine Interaction across the disciplines of Robotics, Artificial Intelligence, Psychology, Rehabilitation Medicine and Interactive Arts
- Extensive experience co-designing with industry

Impact

- Creating an awareness of social robotics
- Incorporating art, design and creativity as a key dimension in robotics
- Changing the way assistive devices technology can resolve situations with social stigma
- Increasing safety to allowing people to stay at home longer

Successful applications

- In relation to robotics, one of the few groups in the world that has done cross cultural studies across socio economic groups and countries
- Work in Autism Therapies: Playful, therapeutic and educational interfaces that a child can learn with the Casper robot

Capabilities and resources

- National Facility for Human Robot Interaction Research
- Creative Robotics Lab
- Bigg

More Information

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