DESIGN

The Centre for Design Innovation (CDI) builds upon existing research strengths at Swinburne to enable human scale, user focused, design-led innovation.

SWINBURNE UNIVERSITY OF TECHNOLOGY

RESEARCH CENTRE

The Centre for Design Innovation (CDI) provides access to a strong client-focused research capability that responds to increasing market and community demand for strategic and transformative design and development. Fostering the opportunity for deep and effective design innovation research, CDI enables postgraduates to transform often complex problems into valued design innovations that have commercial and humanitarian benefits.

CORE PROGRAMS

Our core programs of design innovation research pursue a single capability in scholarship that drives their success: understanding the human user and their circumstance as the key metric that defines the success of a designed outcome.

Smart equipment engineering and wearable technology design

Led by Professor Franz Konstantin 'Tino' Fuss, the Smart Equipment and Wearables team have developed a range of devices and wearables that promote comfort, ease of use and address existing barriers to user-uptake, including the incorporation of smartphones for data analysis purposes.

Architecture and habitat

Led by Professor Marcus White, the team combines building information technologies with sustainable human settlements in order to create desirable user outcomes that are affordable and practical, optimizing our surrounding environments. Incorporating a range of esteemed historians, expert architects and experienced urban designers, the team unpacks a range of modern architectural design techniques, while also redefining the way materials are used to create lightweight structures.

User experience design for services

Led by Associate Professor Jeni Paay, the User Experience Design for Services sector focusses on redesigning the user experience for what is currently Australia's leading contributor to the economy, through both economic output and employment. Tackling industries such as health and tourism, areas that strongly reflect Australia's growth as a global powerhouse, the design for services team looks to establish innovative design of services that can continue to compete in a global market.

Future-Self and Design Living Lab

Led by Associate Professor Sonja Pedell, this program investigates and develops design solutions and technologies that seek to enable our older future selves. Registered with the European Network of Living Labs, a worldwide research community, the program has very quickly established itself as a leader in Australia and overseas in this field of design innovation.

Advanced product design and development

Led by Professor Blair Kuys, the Advanced Product Design and Development team has worked tirelessly to build a strong local and international reputation as one of the premier dynamic design research teams in Australia, lending their hand to a number of high-profile projects that have reaped impressive outcomes both for their associated industry and the CDI. Utilising a wealth of experience in industrial design and product design engineering, the team works with a range of industry and government clients in order to innovate new ideas that can improve and refine the way organisations expand into new markets.

Contact us: **cdiengage@swin.edu.au**

Contacts

Name	Position	Contact Details
Prof Blair Kuys	Director, Centre for Design Innovation • Productivity design and diversity	bkuys@swin.edu.au
Prof Tino Fuss	CDI Core Program Director, Smart Equipment Engineering and Wearable Technology Design • Health and sports technologies	fkfuss@swin.edu.au
A/Prof Sonja Pedell	CDI Core Program Director, Future-Self and Design Living Lab • Design for ageing • Ergonomics and aesthetics design	spedell@swin.edu.au
Prof Jane Burry	Dean, Swinburne School of Design • Architecture • Design practice and management	jburry@swin.edu.au
A/Prof Jeni Paay	CDI Core Program Director, User Experience Design for Services Smart Cities Research Institute Program Leader, Smart Spaces for Work and Home	jpaay@swin.edu.au
A/Prof Kurt Seemann	• Rural and remote communities • Design and innovation	kseemann@swin.edu.au
Prof Marcus White	CDI Core Program Director, Architecture and Habitat • Urban design	marcuswhite@swin.edu.au
Prof Mark Burry	Foundation Director, Swinburne Smart Cities Research Institute • Architecture • Design practice and management	mburry@swin.edu.au
Prof Mark Taylor	Chair, Department of Architectural and Industrial Design • Architecture • Interior design	marktaylor@swin.edu.au
A/Prof Kurt Seemann	• Rural and remote communities • Design and innovation	kseemann@swin.edu.au
Dr Samantha Edwards-Vandenhoek	Deputy Chair, Department of Communication Design • Design practice and management	sedwardsvandenhoek@swin.edu.au
Dr Flavia Marcello	Department Research Coordinator, Architectural and Industrial Design • Evidence-based design approaches • Sustainable design • Community-based approaches to Low Carbon Living	fmarcello@swin.edu.au
Dr Simon Cook	CDI Research Fellow • Biomedical engineering	smcook@swin.edu.au