

Design

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.

The Centre builds upon existing research strengths at Swinburne University of Technology; linking researchers with industries and communities to enable human scale and user focused design led innovation. This approach fosters the opportunity for deep and effective design innovation research, enabling postgraduates to transform often deviously complex problems into valued design innovations that have commercial and humanitarian benefits.

At the heart of CDI's values is the desire to nurture PhD students from around the world with a range of different design discipline interests that have the common goal of developing meaningful value for people. For many who have come through the design honours pathway powered by the Swinburne Design Factory, CDI provides the next step into advanced design knowledge development for graduate leaders in strategic and productive design innovation.

Areas of research strength

Strategic Applications:

- Allied Health
- Services
- Future Products
- Public Good

Across our strategic research applications, we seek to advance world class design research expertise in:

- Design for strategic transformation
- Design for productivity, innovation and diversity
- Design for visual communications, aesthetics and ergonomics

Research highlights

The CDI has established significant core programs of design innovation research.

Smart cap and gear (Helmets and Shields) Designing an advanced product ecology of protective smart wearables that reduce concussion and injury in high impact and elite sports, and inform health performance.

Future-self across the lifespan (Ageing) Designing information services, product interactions and spatial transformations that lead to wellness and enable confidence.

Humanitarian village (Shelter and Services) Designing whole emergency village set up systems, products, information and shelter systems that rapidly engenders community care, and a sanctuary from distress.

GELDOM (Condom 2.0 with University of Wollongong) Designing a targeted and appropriate cross-cultural branding and desirable messages that lead to improved sexual health using advanced materials.

Research centres

Centre for Design Innovation (CDI)

www.cdiengage.com.au



Prosthetic Foot and Cosmetic Cover

Designed by Jonathan Yap, Product Design Engineering (Hons) 2013

KEY CONTACTS

CENTRE FOR DESIGN INNOVATION

Name	Position/Expertise	Contact details
A/Prof Kurt Seemann	Director CDI Leader: Humanitarian village core project • Socio-technical and human settlement systems • Cross-cultural design and technology	kseemann@swin.edu.au
Prof Leon Sterling	Deputy Director CDI Pro Vice-Chancellor, Digital Frontiers Leader: Future-self across the lifespan core project • Socio-technical systems (digital technologies) • Emotion integrated technology and design	lsterling@swin.edu.au
Prof Scott Thompson-Whiteside	Dean, School of Design Leader: Condom 2.0 core project • International Engagement in Design	switeside@swin.edu.au
Prof Donald Iverson	Executive Dean, Faculty of Health, Arts and Design Leader: Smart cap and gear project Health research for design • Humanitarian research for design	diversion@swin.edu.au
Prof Ken Friedman	• Strategic design • Design research	kenfriedman@swin.edu.au Alt: ken.friedman.sheji@icloud.com
Prof Gitte Lindgaard	• Human Computer Interaction (HCI) • Interaction Design	glindgaard@swin.edu.au
A/Prof Takemi Sugiyama	• Health design • Active wellbeing design	tsugiyama@swin.edu.au
A/Prof Anita Kocsis	• Design-led innovations • Product diversification for manufacturing	bkuys@swin.edu.au
Dr Gianni Renda	• Allied health and product design	grenda@swin.edu.au
Dr Carolyn Barnes	• Participatory design innovation • Creativity and practitioner initiated innovations	cbarnes@swin.edu.au
Prof Per Mollerup	• Information Design	pmollerup@swin.edu.au
Prof Allan Whitfield	• Aesthetics	awhitfield@swin.edu.au
A/Prof Deirdre Barron	• Education design research	dbarron@swin.edu.au
A/Prof Dori Tunstall	• Cultures based innovation	etunstall@swin.edu.au
Dr Sonja Pedell	• Emotion integrated technology and design	spedell@swin.edu.au
Adjunct Prof Rob Roggema	• Transformative urban design • Sustainable landscape architecture	rob@cittaideale.eu