

# ASPiRE 5.0 Empowering ESG-Driven Innovation & Integration

Transforming Challenges into  
Opportunities

Host: Prof. Kannan Govindan, CSORC, University of Adelaide

Facilitator: Prof. Allan O'Connor, C-EDGE, University of South Australia

# ARC ITTC Program

Prof Kannan Govindan

# Objectives

- Long-term (2026 - 2031)
  - Establish a nationally and industry relevant ARC Industrial Transformation Training Centre to prepare research credentialled graduates for the challenges of managing in an era of sustainability
- Mid-term (November 2025)
  - Identify and design a response to the training needs of industry in an era of sustainability priorities to pitch for ARC funding.
- Short-term (today)
  - Collaboratively develop an outline of the collective priority needs and open thinking on the challenges and opportunities for your businesses and organisations

# What is an ARC ITTC?

- The Australian Research Council's (ARC), Industrial Transformation Research Program
- Funds up to \$5m for industry led, university partnerships to establish Higher Degree by Research (HDR) Training Centres
- Training Centres respond to Australian industry's transformation needs
  - Enhances the capabilities of industry partners by offering complementary services, building knowledge and skills in emerging areas of industrial need
  - Develops current and future workforce in advanced industry centric research skills
  - Objective is to recruit 15-20 projects for Masters by Research and PhD higher degree research candidates across Australia
- Optimally of five-year duration (2026-2031) but may receive an extension
- Industry cash and in-kind commitments from \$30,000 p.a. cash (project negotiated)
- Letter of commitment only until and unless the ITTC bid is successful

# It takes a village...



- **Local University Partners** (UniSA – 5 Centres, and University of Adelaide, CSORSC, aka Adelaide University, 2026)
- **Interstate university partners** (RMIT, UTS and Curtin Universities)
- **International networks:** (KIT & Ruhr Universities – Germany, IMT Atlantique & Sciences Po Universities – France, Okestra Institute of Competitiveness – Spain), Estainium Association (International)
- **Industry support & consultation:** Stärke AMG, 123Carbon, SIM PAC Live, First Innovators, MacTaggart Scott Australia, AiGroup, Defence Partnerships, DairNET, SA Business Chamber, Salisbury City Council, Dept State Development, ICN, Fusetec, K-TIG, Australian Space Agency, Bosch, Siemens, SAP, eBottli, and more...

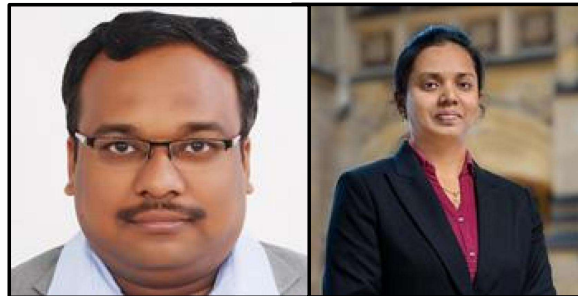


# Meet The Foundation Team

University of South Australia



University of Adelaide



RMIT



Curtin University



## **ASPiRE 5.0**

ESG Technology Integration

University of Technology Sydney



# Diversity in Research Skills...

Name	Sustainability and ESG Related Focus Areas	Discipline
Prof Allan O'Connor	Entrepreneurial Ecosystems, Innovation, & Education	Business, Systems & Education
A/Prof Martin Bliemel	Entrepreneurial Networks, Commercialisation & Education	Business, Systems & Education
Prof Anne-Laure Mention	Innovation & Management	Business, Innovation
Dr Jan Henrik Gruenhagen	International Ent., Technology Adoption & Diffusion	Business, Technology
Prof Kannan Govinda	Supply Chain, Digital, Sustainable, Circular, & Green	Business, Operations
A/Prof Devika Kannan	Supply Chain, Procurement, Resilience, & Decarbonisation	Business, Operations
Prof Colin Hall	Industry Engaged Research	STEM, Operations
Prof Ke Xing	Systems thinking, value engineering & life cycle assessment	STEM, Operations
Dr Kamil Zuber	Materials Engineering, Additive Manufacturing & Product Devel.	STEM, Operations
Prof Jochen Deuse	Manufacturing, Automation Technology and Robotics	STEM, Operations
Prof Markus Stumptner	AI, Software Engineering, and Data Process Management	STEM, Data Sciences
A/Prof Wolfgang Mayer	Machine Learning & Data Analysis Techniques	STEM, Data Sciences
A/Prof Georg Grossman	Complex Data Structures, Systems Interoperability (AI)	STEM, Data Sciences
Prof Michele John	Sustainable Engineering & Education	STEM, Education
Prof Chris Speed	Design for Regenerative Futures	Human System Design & Education
Prof Siobhan Banks	Fatigue, Individual & Team Perform., & Human Machine Interaction	Humanities, Psychology
Prof Anthony Langlois	Ethics, Human Rights, International Relations	Humanities, Ethics
A/Prof Shruti Sardeshmukh	Entrepreneurship & Diversity	Business, Community
Prof Martin Tomitsch	Future Technologies, Citizens and Communities	Business, Community

# What does our ITTC offer you?

- Expand your capabilities and reach with minimal investment.
- Gain access to and be part of a growing network of collaborative partners, local, national, and international, industry, government and academia.
- Build and benefit from advanced knowledge of sustainability applications, regulations, legislation and lessons learned.
- Find your competitive edge in the sustainability agenda.
- Build your future workforce or up-skill your current team.
- Address priority sustainability and ESG challenges with tailored solutions.
- Identify profitable opportunities in your business model, workforce and operations performance, supply chain, and across community engagement.