Centre for Transformative Innovation

SWINBURNE UNIVERSITY OF TECHNOLOGY

Global Prosperity Through Knowledge and Innovation

Overview

The Centre for Transformative Innovation at Swinburne University of Technology is part of a world-wide movement to improve societies' understanding of how ideas and inventions enhance productivity.

As the largest interdisciplinary academic research body on innovation in Australia, the Centre for Transformative Innovation is uniquely placed to provide robust and objective evidence needed to guide public and enterprise policy through change.

The Centre is known for the high calibre of its researchers, analysts and PhD candidates; the depth and quality of its empirical analysis; its evidence-based public policy recommendations; and its outstanding infrastructure for large-scale data analytics.

PhD Education

The PhD in Innovation Studies is designed to provide the education needed to conduct independent, advanced research in the economics of innovation and/or networked innovation. On completion, the candidate should be capable of conducting a complex research program without supervision and have a thorough knowledge of the relevant literature.

Research

The Centre undertakes applied economic; social; network; management and accounting research on a contract basis.

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Research Themes

The Centre for Transformative Innovation tests why businesses do or do not innovate and what are the repercussions of innovation. Our research is organised under the following themes:

Economics of Innovation

It is not clear why some firms choose not to innovate and what are their main obstacles. There are many plausible half-tested hypotheses about what makes innovation successful, but in many cases insufficient sound evidence to refute or substantiate them.

Current research projects include: the effects of innovation, R&D and government programs on firm performance; the size of knowledge spillovers in the Australian economy; innovation and trade; and the efficacy of the international patent system.

Networked Innovation

Innovation is no longer the property of stand-alone corporate or government R&D laboratories. Rather, it is the property of networks, where innovation occurs at the interstices of organisations, large and small, public and private. Connections made between people, but also between organisations, can be mapped and analysed for their value.

Current research projects include: the role of networks in the commercialisation of public research; intra-organisational networks in corporate R&D; interorganisational networks among firms in the biotechnology industry; and effective network governance in the health sector.

Datasets

The Centre specialises in the creation, manipulation and use of unique micro datasets, including, harmonised patent and trademark datasets; R&D databases; firm activity and scientific publication databases.

Director of CTI

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