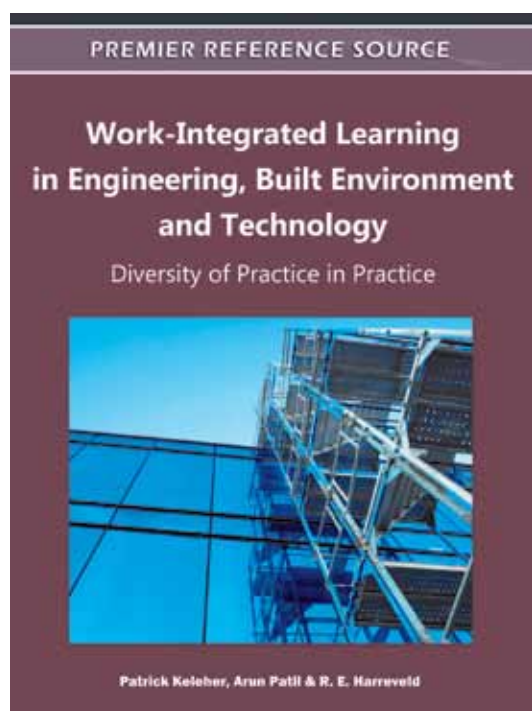


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Work-Integrated Learning in Engineering, Built Environment and Technology: Diversity of Practice in Practice



Patrick Keleher (Central Queensland University, Australia),
Arun Patil (Central Queensland University, Australia) and
R. E. Harreveld (Central Queensland University, Australia)

Work integrated learning manifests itself in many guises, including Work Based Learning, Workplace Learning or Practice Based Learning and occurs within 'work-like' contexts, simulated work conditions, an actual workplace or a combination of these.

Work-Integrated Learning in Engineering, Built Environment and Technology: Diversity of Practice in Practice provides a snap shot of a global perspective of the diversity of practices adopted to successfully develop, implement, deliver and re-invigorate undergraduate and postgraduate Work Integrated Learning (WIL) focused programs in engineering, the built environment and information technology. The authors who contributed to this text provide a diverse perspective on the manner in which the WIL philosophy can be adopted and adapted and emphasize a learning environment that creates and supports meaningful learning through a contextual lens.

Topics Covered:

- Archetypes of WIL
- Case Studies in WIL
- Continuing Professional Development
- Global Collaboration
- Industrial Training
- Industry-Academia partnerships
- International Experiential Education
- Postgraduate Design Research
- WIL in Engineering Education
- Work-Integrated Learning

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Patrick Keleher's experience of and involvement with Work Integrated Learning/Practice Based Learning commenced 25 years ago when he completed a postgraduate Diploma in Teaching (Physics/Mathematics) at the University of Queensland. Over the 12 years of Patrick's career as a secondary teacher he was a mentor, supervisor, and assessor of pre-service science teachers operating within a Work Integrated Learning/Practice Based Learning model. Over the past 13 years, as a university lecturer, Patrick has led the development and delivery of programs at undergraduate (Director: Built Environment Programs) and postgraduate (Director: Maintenance Management, Environmental Management, Process Engineering Programs) level with the central theme of a Work Integrated Learning/Practice Based Learning philosophy. In 2009, Patrick undertook sabbatical at the Practice Based-Professional Learning Centre of Excellence in Learning and Teaching (PBPL-CETL) at The Open University, Milton Keynes, UK, to further his WIL/PBL research interests and has served as a Fellow of the PBPL-CETL. Patrick is the convenor of the Work Integrated Learning – Special Interest Group within CQUniversity's Learning & Teaching Education Research Centre (LTERC).



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