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

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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 snapshot 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

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 convener of the Work Integrated Learning – Special Interest Group within CQUlversity's Learning & Teaching Education Research Centre (LTERC).
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