



Call for Chapter Proposals: “Industry Practices, Processes and Techniques Adopted in Education - Supporting innovative teaching and learning practice”

Edited by Kathryn MacCallum and David Parsons

We are inviting initial chapter proposals for the forthcoming edited book, “Industry Practices, Processes and Techniques Adopted in Education - Supporting innovative teaching and learning practice”, to be published by Springer in late 2021.

At this stage, we only require suggested chapter titles, details of authors and a brief outline of the proposed content of the chapter (approx 200 words). These can be sent to us by filling in the expression of interest Google Form (tinyurl.com/IndustryPracCFP)

Focus of the Book

Over the past few years there has been an increasing number of concepts and practices that have been developed in industry but have subsequently been applied in educational contexts to support teaching and learning. This link between industry-based ideas and their application in education has enabled educators to develop engaging, collaborative and creative learning environments, as well as better preparing their students for an increasingly complex and dynamic global environment. These industry-based practices include examples such as lean thinking from the motor industry, agile methods from software development, design thinking from product development, hacker/makerspaces from maker communities, crowdsourcing from business innovation (along with wider ideas around entrepreneurship and enterprise) and a range of industry-based models of change and leadership.

The aim of this book is to provide a single source of reference for educators interested in understanding how these ideas have been adapted into different educational contexts and therefore help them to draw these into their own practice. We are inviting chapters from educators, researchers and practitioners, who have integrated industry-based ideas into their teaching to explore how these concepts and practices have supported the creation of effective learning environments. Through this exploration the book will enable wider engagement and critical analysis into the application of these practices for the development of collaborative and creative learning environments.

This proposed book will follow on from the highly successful edited book published in 2019 - “Agile and Lean Concepts for Teaching and Learning: Bringing Methodologies from Industry to the Classroom” (by the same editors). We believe that a book such as this may trigger a much greater awareness of, and interest in, ideas from industry that can provide benefits in the classroom

The major contribution of this book would be to provide a single point of reference for global expertise in how these industry-inspired ideas can be applied in teaching and learning at all levels of education. Aspects that would be of most interest to readers would be analysis, experiences and ideas that can be reused and adapted in other contexts.

Possible Topics from industry that are applicable to teaching and learning include (but are not confined to):

- Industry practices and processes in education
- Techniques from industry in teaching and learning
- Lean thinking in education
- Agile methods in education
- Design Thinking in education
- Other products development techniques in education
- Hacker/makerspaces in education
- Crowdsourcing in education
- Entrepreneurship and enterprise in education
- Industry-based models of change and leadership in education
- Team organisation using industry approaches
- Future educational opportunities for industry-based practices



Any questions about the call for chapters should be directed to the editors at agileleanbook@gmail.com

Important Dates:

Abstract Registration due:	January 20th, 2021
Notification on initial acceptance:	February 1st, 2021
Book Chapters due:	March 1st, 2021
Notification to authors:	May 1st, 2021
Revised papers due:	July 1st, 2021
Publication of the issue:	Late 2021

Submission Guidelines for Book Chapter:

Book chapters should be approximately 7,000 to 8,000 words including all sections, figures, tables, and references. All papers will be blind peer reviewed and are subject to editing for style, clarity, organization, and space.

For more information concerning Springer submission guidelines, please refer to <https://www.springer.com/gp/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324>

Please disseminate this call to your wider networks, and to any individuals you consider might be interested in contributing a chapter to this book.

For up to date information please see <http://davidparsons.ac.nz/industry-in-ed/>