

## CTM Publications

Ahn, J.-M., L. Mortara and T. Minshall (2018). "Dynamic capabilities and economic crises: has openness enhanced a firm's performance in an economic downturn?" *Industrial and Corporate Change* 27(1): 49-63.

Aristodemou, L., & Tietze, F., (2018). The state-of-the-art on Intellectual Property Analytics (IPA): A literature review on artificial intelligence, machine learning and deep learning methods for analysing intellectual property (IP) data. *World Patent Information*, 55 37-51. <https://doi.org/10.1016/j.wpi.2018.07.002>

Aristodemou, L., Tietze, F., Brintrup, A. and Deeble, S., (2018). Early Stage Technology Strategic Decision Making: a machine learning approach using Intellectual Property Analytics. *R&D Conference, Trach 18: Big Data Analytics for R&D Management, 2018, Milan Italy*

Bang, M.-Y. and T. Minshall (2018). Growth of technology-based not-for-profit firms. Malaysia-Singapore Research Conference 2018. Cambridge, UK. 7/4/18.

Aristodemou, L. and Tietze, F., (2018). Citations as a measure of technological impact: A review of forward citation-based measures. *World Patent Information*, 53, pp.39-44. <https://doi.org/10.1016/j.wpi.2018.05.001>

Beiderbeck, D., D. Deradjat and T. Minshall (2018). "The Impact of Additive Manufacturing Technologies on Industrial Spare Parts Strategies." University of Cambridge Centre for Technology Management Working Paper Series March 2018, No. 1.

Deradjat, D. and T. Minshall (2018). "Decision processes for implementation of Rapid Manufacturing for Mass Customisation." *CIRP Journal of Manufacturing Science and Technology* <https://doi.org/10.1016/j.cirpj.2017.12.003>.

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Evans, S. and T. Minshall (2018). Developing the through-career outreach capabilities of manufacturing engineering graduate students: Lessons from the 'How stuff gets made' project. Engineering Education Research Network Symposium. Portsmouth, UK.

Farrukh, C. and M. Holgado (2018) MAPPING SUSTAINABLE VALUE FOR NEW TECHNOLOGY - DEVELOPING A CONFIGURABLE APPROACH FOR EXPLORING POTENTIAL EXPLOITATION OPPORTUNITIES, IAMOT 2018 PROCEEDINGS, Eds. Breno Nunes, Ali Emrouznejad, David Bennett, Leon Pretorius. "Towards Sustainable Technologies and Innovation". Series title: 27th Annual Conference of the International

Association for Management of Technology. Publisher: Operations and Information Management Group, Aston Business School, Aston University. 2500pp ISBN: 978 1 85449 453 5

Farrukh, C., M.Routley, R.Phaal and C.Rasmussen (2018) ROADMAPPING ACROSS BUSINESS SEGMENTS – IMPLEMENTATION OF ROADMAPPING AT GRUNDFOS TO SUPPORT TECHNOLOGY PLANNING ,IAMOT 2018 PROCEEDINGS, Eds. Breno Nunes, Ali Emrouznejad, David Bennett, Leon Pretorius. "Towards Sustainable Technologies and Innovation". Series title: 27th Annual Conference of the International Association for Management of Technology. Publisher: Operations and Information Management Group, Aston Business School, Aston University. 2500pp. ISBN: 978 1 85449 453 5

Farrukh, C. N. Athanassopoulou, I.Ilevbare (2018). How inbound open innovation helps SMEs learn and improve: knowledge transfer from university to industry through direct coaching . Presented at the R&D Management Conference 2018 "*R&Designing Innovation: Transformational Challenges for Organizations and Society*" on June, 30<sup>th</sup> - July, 4<sup>th</sup>, 2018, Milan, Italy. Forthcoming as 2018 CTM working paper with minor modifications.....

Ford, S. and T. Minshall (2018). "Where and how 3D printing is used in teaching and education." Additive Manufacturing In Press.

Ford, S. and T. Minshall (2018). "3D printing in teaching and education: A review of where and how it is used." CTM Working Paper.

Geiger, M., T. Minshall and L. Mortara (2018). Investigating Subsidiary Evolution: Automotive Corporate Innovation Subsidiaries in Silicon Valley. 2018 R&D Management Conference 2-4 July. Milan, Italy.

Gomes, L., Selermo, M., Phaal, R. and Probert, D. (2018), 'How entrepreneurs manage collective uncertainties in innovation ecosystems', *Technology Forecasting & Social Change*, 128, pp. 164-185.

Gümüşay, A. A., & Bohné, T. M. (2018). Individual and organizational inhibitors to the development of entrepreneurial competencies in universities. *Research Policy*, 47(2), 363-378.4

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Huang, Z., Farrukh, C. and Shi, Y., (2018), 'Commercialization journey in business ecosystem: from academy to market', Part 1, Chapter 7, pp 129-150, in João Leitão et al.

(Eds): Entrepreneurial, Innovative and Sustainable Ecosystems, 978-3-319-710 13-6, 432327\_1\_En, Applying Quality of Life Research: Best Practices Series.

Ilevbare, I., C.Farrukh, J. Saiz, N.Nunoo (2018). An approach for managing and assessing the innovation and technology management capabilities in an organisation. Presented at the R&D Management Conference 2018 "*R&Designing Innovation: Transformational Challenges for Organizations and Society*" on June, 30<sup>th</sup> -July, 4<sup>th</sup>, 2018, Milan, Italy.

*Julia F. Li, Elizabeth Garnsey (2018), Entrepreneurship & Global Health: Activating the Ecosystem and Preventing Disease, in press International Journal of Technology and Globalisation*

Kerr, C.I.V.K, Phaal, R. and Thams, K. (2018), 'Customising and deploying roadmapping in an organisational setting: the LEGO Group experience', accepted by *Journal of Engineering and Technology Management* (In Press, Corrected Proof)

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Wilson, M. and T. Minshall (2018). Corporate Venture Capital in the Life Science Industry. XXIX ISPIM Innovation Conference. Stockholm.

Xu, G., Y. Wu, T. Minshall and Y. Zhou (2018). "Exploring innovation ecosystems across science, technology, and business: A case of 3D printing in China." *Technological Forecasting & Social Change* 136: 208-221.