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**Biography**

Dr. Jeffrey CAI Yan-Ling, is currently working with School of Management Engineering, Zhengzhou University, PR China, as an associate professor. He received his PhD degree in 2008 in the domain of Manufacturing System and Technology, conferred by National University of Singapore (NUS), with joint collaboration of Massachusetts Institute of Technology (MIT) under the Singapore-MIT Alliance (SMA) program. His research interest covers Product Planning, Healthcare Management and Telemedicine System, and E-commerce Platform Enterprise Strategy, as well as Manufacturing System etc. He has published 40+ journal papers and conference papers within his research interest, and among these journals are

included CIRP Annuals – Manufacturing Technology, Computers in Industry, Concurrent Engineering: Research and Applications, etc. Meanwhile, he serves as editor or reviewer of a couple of international academic journals, like International Journal of Advanced Manufacturing Technology (IJAMT), Journal of Engineering Design (JED), Advances in Industrial Engineering and Management (AIEM), etc. He also works as principal research scientist with Henan Telemedicine Center of China (HTCC), and as deputy director with Henan Digital Healthcare Research Center (HDHRC). He seeks actively the international collaborations with world-wide prestigious institutions in terms of academic research and enterprise practice.

Selected Publications (those in Chinese are deliberately skipped)

1. **Cai, Y.L.**, Yao, S.X., Hu J.J., and Cui, Z.Y.(2017), Robust concept set selection for risk control in product development project, *Procedia Engineering*, v174, p973-981
2. **Cai, Y.L.**, Liu, D.N., Yu, L.L. and Zhai, Y.K. (2016), On the Meta-Modelling of Light-Duty Cordless Drill for Flexible Platform Decision Support, *Metallurgical and Mining Industry*, No.1, pp.172-177
3. **Cai, Y.L.** and Zhai, Y.K.(2014), A Framework of Set-based Concept Selection for Risk Control of Product Development, *Advances in Industrial Engineering & Management*, Vol.3, No.1, pp. 59-62
4. **Cai, Y.L.** and Cui, Z.H. (2012), A cost model for optimal design of hierarchic product platform under coupled architecture, *Advanced Materials Research*, Volumes. 452-453, pp. 516-520
5. **Cai, Y.L.** and Wang, J. F. (2010), Analysis of coupling and interfacing mechanism for platform architecture, *Proceedings of 2010 IEEE 17th International Conference on Industrial Engineering and Engineering Management*, 29-30 October 2010, Xiamen, PR China
6. **Cai, Y.L.**, Nee, A.Y.C., and Lu, W. F. (2009), Optimal design of hierarchic components platform under hybrid modular architecture, *Concurrent Engineering: Research and Applications*, Vol 17, No 4, pp.267-277
7. **Cai, Y.L.**, Nee, A.Y.C. and Lu, W.F. (2008), Platform differentiation plan for platform leverage across market niches, *CIRP Annuals – Manufacturing Technology*, 57(1), pp. 141-144
8. Li, W.D., **Cai, Y.L.**, and Lu, W.F. (2007), A 3D simplification algorithm for distributed visualization, *Computers in Industry*, Volume 58, Issue 3, pp. 211-226
9. **Cai, Y.L.**, Nee, A.Y.C., and Lu, W.F. (2006), Integrated design of component-level and specification-level platform with hierarchic commonalities, *Proceeding of the 16th International Conference on Flexible Automation & Intelligent Manufacturing (FAIM)*, pp.1203-1210, 26-28 June 2006, Limerick, Ireland
10. Li W.D., Lu W.F. and **Cai Y.L.** (2005), Geometric simplification to stream 3D models for collaborative product design. *Proceedings of 2005 ASME DETC Computers and Information in Engineering Conference*, DETC2005-84834, Orlando, USA