

Dr. Kwai-Sang CHIN (錢桂生博士)

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Dr. K.S. Chin is an Associate Professor in the Department of Manufacturing Engineering and Engineering Management, City University of Hong Kong. Before joining the university in 1991, Dr Chin has more than ten years of experience in the Hong Kong manufacturing industry, holding senior positions in industrial engineering, product development, and quality assurance and management. He is a Chartered Engineer in the UK and Registered Professional Engineer in Hong Kong. Dr. Chin is an Associate member of International Academy of Quality, Fellow and International Council member of American Society for Quality (ASQ), USA, Fellow of Hong Kong Society for Quality (HKSQ), Fellow of the Hong Kong Quality Management Association (HKQMA), and senior members of several engineering institutions. Dr. Chin was the Chairman of HKSQ in 1997-2000. He is serving the ASQ Country Representative of Hong Kong since 2000 and the founding broad member of ANQ (Asian Network for Quality) since 2003.

Dr. Chin is now the Programme Leader of BEng Total Quality Engineering in his department. His teaching specialization and research interests are quality and innovation management, and new product development strategies and process. He has obtained nearly HK\$9,000,000 research funding from various sources. Dr. Chin has published over 180 international refereed journal and conference papers.

Dr. Chin, due to his strong industrial background, is maintaining a good link with the industries. He has conducted more than 30 industrial projects in past few years in the areas of quality and innovation management, industrial engineering and engineering management, including training courses and consultancy projects conducted in Hong Kong, Pearl River Delta, Shanghai, and Philippine. The clients include DHL, Roche International, Dupont Chemical, Philips Consumer Electronics, Philips Semiconductors, Hong Kong Housing Society, China Light & Power, etc.

Journal Editors

- Associate Editor, Asian Journal on Quality, since 2001--
- Regional Editor (East Asia), International Journal of Computer-aided Engineering and Technology, since 2008—
- Area Editor (Quality and reliability), Industrial Engineering & Management Systems, since 2009--
- Editorial Board Member, International Journal of Quality and Reliability Management, since 1998 –
- Editorial Board Member, Journal of Chinese Institute of Industrial Engineers (Taiwan), since 2007—
- Editorial Board Member, R & D Management (published by Fudan University, PRC), since 2007
- Editorial Board Member, International Journal of Innovation and Learning, since 2008—
- Editorial Board Member, International Journal of Quality, Statistics and Reliability, since 2009--

Selected recent journal publications

1. Pun K F, Chin K S and Yiu M Y R, " Developing a self-assessment model for measuring new product development performance: an AHP approach", International Journal of Advanced Operations Management, Vol.2, no.1/2, pp.57-79, 2010
2. Liu T W and Chin K S, "Development of audit model for intellectual property management excellence", Expert Systems with Applications, Vol.37, no.6, pp.4504-4518, 2010
3. Pun K F, Chin K S and Yiu M Y R. "An AHP approach to assess new product development performance: an exploratory study", International Journal of Management Science and Engineering Management, Vol.5, No.3, pp.210-218, 2010
4. Wong S Y, Chin K S and Tang D W, "Strengthening Risk Evaluation in Existing Risk Diagnosis Method" , Industrial Engineering & Management Systems, Vol.9, No.1, pp.41-53, 2010
5. Chin K S, Lo K C and Leung J P F, "Development of User-Satisfaction-Based Knowledge Management Performance Measurement System with Evidential Reasoning Approach", Expert Systems with Applications, Vol.37, No.1, pp.366-382, 2010
6. Chin K S, Wang Y M, Poon K K and Yang J B, "Failure mode and effects analysis by data envelopment analysis", Decision Support Systems, Vol.48, pp.246-256, Dec 2009
7. Chin K S, Tang D W, Yang J B and Wong Z S Y, "Assessing new product development project risk by Bayesian network with a systematic probability generation methodology", Expert Systems with Applications, Volume 36, Issue 6, pp.9879-9890, 2009
8. Chin K S, Wang Y M, Poon K K and Yang J B, "Failure mode and effects analysis using a group based evidential reasoning approach", Computers and Operations Research, Vol.36, pp.1768-1779, 2009
9. Wang Y M, Yang J B, Xu D L, Chin K S, "Consumer preference prediction by using a hybrid evidential reasoning and belief rule-based methodology", Expert Systems with Applications, Volume 36, Issue 4, pp.8421-8430, 2009
10. Lo K C and Chin K S, "User-Satisfaction-Based Knowledge Management Performance Measurement", International Journal of Quality and Reliability Management, Vol.26, No.5, 2009, pp.449-468.
11. Chin K S, Wang Y M, Yang J B and Poon K K, "An evidential reasoning approach for Quality Function Deployment under uncertainty", Expert System with Applications, Vol.36, No.3, 2009, pp.5684-5694.
12. Chin K S, Yang J B, Guo M and Lam P K, "Evidential Reasoning-Interval Based Application in New Product Design Assessment", IEEE Transactions on Engineering Management, Vol.56, No.1, 2009, pp.142-156.
13. Wang Y M, Chin K S, Poon K K and Yang J B, "Risk evaluation in failure mode and effects analysis using fuzzy weighted geometric mean", Expert Systems With Applications, Vol.36, No.2, 2009, pp.1195-1207.
14. Chin K S, Xu D L, Yang J B and Lam J P K, "A group-based ER-AHP decision making methodology for new product development project screening under uncertainties", Expert Systems With Applications, Vol.35, No.4, 2008, 1909-1929.
15. Chin K S, Chan B L, and Lam J P K, "Identifying and prioritizing critical success factors for coopeitition strategy: A study of Hong Kong industry", Industrial Management and Data System, 108(3-4), 2008, pp.437-454.
16. Chin K S, Chan A and Yang J B, "Development of Fuzzy FMEA Based Product Design System", International Journal of Advanced Manufacturing Technology, 36 (7-8), 2008, pp.633-649.