

姜真秀 教授 Prof. Kang, Jin-Su

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學歷 (Education)

韓國高等理工學院化學與生化分子工程博士, 2005
PhD, Korea Advanced Institute of Science and Technology (KAIST), 2005
韓國高等理工學院 化學與生化分子工程碩士, 2000
MS, Korea Advanced Institute of Science and Technology (KAIST), 2000
韓國高等理工學院 化學與生化分子工程學士, 1998
BS, Korea Advanced Institute of Science and Technology (KAIST), 1998

最初受聘於管院的日期 (Date of First Appointment)

Aug., 2008

Normal Professional Responsibilities

GR, RES

經歷 (Work Experience)

Academic Experience

Professor, National Chiao-Tung University, Hsinchu, Taiwan Dec. 2020-present
Associate Professor, National Chiao-Tung University, Hsinchu, Taiwan Aug. 2015- Dec. 2020
Assistant Professor, National Chiao-Tung University, Hsinchu, Taiwan Aug. 2008-Aug. 2015
Adjunct professor, National Chiao-Tung University, Hsinchu, Taiwan Sep. 2006 - Jul. 2008
Researcher/project manager/lecturer, KAIST, Daejeon, Korea, Mar. 2000 - Mar. 2004

Professional Experience

現代 Oilbank 策略規劃團隊經理, 2005 年 1 月~2006 年 4 月
Manager, Strategic Planning Team, Hyundai Oilbank, Korea, Jan. 2005 to Apr. 2006
聯合國總部大樓 經濟與社會事件部門 實習生, 2003 年 9 月~2003 年 10 月
Intern, Department of Economic and Social Affairs, United Nations Headquarters, New York, USA, Sep 2003 to Oct.2003

Professional Development

Case Writing Workshop, Harvard Business School, Shanghai, China (2018)
Global Colloquium on Participant-Centered Learning, Harvard Business School, MA, USA (2017)
March 17-28, 2013: Teaching Entrepreneurial Thought and Action by Babson College, USA

Other Professional Activities

2015 - present: Member of Academy of Management and Strategic Management Society
Editorial Board Memberships

- Technological Forecasting and Social Change (SSCI)
- Sustainability, Ethics, Entrepreneurship (SEE) Conference
- Corporate Management Review (TSSCI, ProQuest)

研究領域 (Research Interests)

Competitive Dynamics
Platform Competition
Innovation Management

授課 (Teaching)

Strategic Management

獲獎 (Awards and Honors)

- 2018: Best Doctoral Thesis Advisor Award, TSC Thesis Symposium, Taiwan
- 2018: Excellent Mentor Award (績優導師), NCTU
- 2016: Outstanding Teaching Award (傑出教師), NCTU (top 3 in Field II Campus-wide)
- 2014: Excellent Teaching Award (優良教師), NCTU (top 5 in the College of Management)
- 2014: Best Mentor Award (特優導師), NCTU
- 2014: BEST PAPER AWARD, IAMOT2014, Washington, DC, USA, 2014.
- 2011: 績優導師, Best-Supervising Professor NCTU
- 2010: The mai Bangkok Business Challenge @ Sasin 2010 1. Kiatnakin Bank 99-Second Pitch Winner 2. Recognition of Environmental Concerns, Advisor
- 2009: Teaching Award for "Global Economy" course

學術期刊著作 (Publications)

(A) 期刊論文 (Peer Reviewed Journal Articles)

denotes student coauthor; * denotes corresponding author

1. Downing, S.#, Kang, J. S.*, & Markman, G. (2019). What You Don't See Can Hurt You: Awareness Cues to Profile Indirect Competitors. *Academy of Management Journal* (SSCI Impact factor: 7.47), 62(2): 1872-1900. Featured by AOM Insight.
2. Hu, M. C., Kang, J. S.*, & Wu, C. Y. (2017). Determinants of profiting from innovation activities: Comparisons between technological leaders and latecomers. *Technological Forecasting and Social Change* (SSCI Impact factor:2.678), 116, 223-236. 【R】 [J17-1]
3. Yu, N., Kang, J. S. (First author), Chang, C. C., Lee, T. Y., & Lee, D. Y. (2016). Robust economic optimization and environmental policy analysis for microgrid planning: An application to Taichung Industrial Park, Taiwan. *Energy* (SCI impact factor: 4.292), 113, 671-682. 【R】 [J16-1]
4. Chou, Chien-Pin, Jin-Su Kang*, and Henryk A.Witek (2016) Closed-form formulas for the Zhang - Zhang polynomials of benzenoidstructures: Prolate rectangles and their generalizations, *Discrete Applied Mathematics* (SCI impact factor: 0.892), 198: 101-108. 【R】 [J16-1]
5. "Jin-Su Kang* and Stephen Downing (2015) Keystone effect on entry into two-sided markets: Ananalysis of the market entry of WiMAX, *Technological Forecasting and Social Change* (SSCI Impact factor: 1.959), 94(May):170-186 【R】 [J15-1]"
6. "Jin-Su Kang, Tetyana Kholod, Stephen Downing (2015), Analysis of Russia's iofuel knowledge base: A comparison with Germany and China, *Energy Policy* (SCI Impact factor: 2.696), 85:182-193. 【R】 [J15-2]"
7. "Jin-Su Kang, Chun-Fang Chiang*, Kitipop Huangthanapan, Stephen Downing (2015) Corporate Social Responsibility and Sustainability Balanced Scorecard: The Case Study of Family-Owned Hotels, *International Journal of Hospitality Management* (SSCI Impact factor: 1.84), 48:124-134. 【R】 [J15-3]"
8. "Steve Wallace*, Adrian Reid, Daniel Clinciu, Jin-Su Kang (2013) Culture and the importance of usabilityattributes, *Information Technology & People* (SSCI Impact factor: 0.938), 26(1): 77-93. 【R】 [J13-1]"
9. "Jin-Su Kang, Jin-Li Hu* & Ching-Wen Chen (交大研究生) (2013) Linkage between International FoodCommodity Prices and the Chinese Stock Markets, *International Journal of Economics and Finance* (EconLit),5(10):147-156. 【R】 [J13-2]"
10. Steve Wallace*, Adrian Reid, Jin-Su Kang and Daniel Clinciu (2013) A Comparison of the Usability of HeuristicEvaluations for Online Help, *Information Design Journal*, 20(1):58-68. 【R】 [J13-3]"
11. John Burns and Jin-Su Kang* (2012) Comparative Economic Analysis of Supporting Policies for Solar PV in the United States: Solar Renewable Energy Credit (SREC) Potential, *Energy Policy* (SCI impact factor: 3.020), 44: 217 - 225. 【R】 [J12-2]
12. Jin-Su Kang*, Tai-Yong Lee, Dong-Yup Lee (2012) Robust Optimization for Engineering Design, *Engineering Optimization*, 44 : 2, 175-194 【R】 [J12-1]
13. Jin-Su Kang*, Hong-Yuh Lee, and Julio Tsai (2011) An Anlysis of Interdependences in mobile communications technology: the case of WiMAX and the development of market assessment model, *Technology in Society* (EI), 33, 284-293. 【R】 [J11-2]
14. Ya-Ti Lin, Yeou-Hern Yang, Jin-Su Kang, Hsiao-Cheng Yu (2011) Using DEMATEL method to explore the core competences and causal effect of the IC design service company: An empirical case study, *Expert Systems with Applications*, 38, 6262-6268 (SCI: impact factor 2.908) 【R】 [J11-1]

(B) 學術會議論文 (Conference Papers)

1. Kang, J.S., Downing, S., Markman, G. 2019. Strategic Nonresponse: The Mediating Role of Buyer Engagement. *Strategic Management Society Annual Conference*, Minneapolis, USA.

2. Kang, J.S., Downing, S., Markman, G. 2019. Attacks, Buyer Engagement, and Target Response-Nonresponse Spectrum. Academy of Management Annual Conference, Boston, USA.
3. Downing, S., Kang, J.S., Markman, G. 2019. Nonresponse Asymmetry: How Buyer Engagement Influences Attacker-Target Dynamics. The Fourth Annual GLOBAL Strategy and Emerging Markets Conference, University of Texas at Dallas, USA.
4. Kang, J.S., Sim, S., Goel, S. 2018. Corporate Social Responsibility and Startup Growth: Complements or Paradox?. Strategy Management Society Special Conference, Hyderabad, India.
5. Hsu, C., Kang, J.S., Rothaermel, F.T. 2018 Intra-firm Coopetition and Innovation: A Longitudinal Study of Strategic Business Units at Samsung. Strategic Management Society Annual Conference, Paris, France. Emergent Awareness: Competitive Dynamics Beyond Rivalry, 2017 Annual Strategic Management Society Conference in Houston, USA, 2017
6. Competitive Dynamics: Of Whom Should You Be Aware?, 2017 Annual Academy of Management Conference in Atlanta, USA, 2017
7. Network Risk: Assessing the Threat of Envelopment, 2016 Annual Strategic Management Society Conference in Berlin, Germany, 2016.
8. Characteristic Demand and Platform Competition: A Game-Theoretic Argument for CSR, 2015 Annual Strategic Management Society (SMS) Conference in Denver, 2015. 【R】 [C15-1]
9. From Social Responsibility to Financial Performance: The Role of Employee Ownership and Innovation, 2015 Annual Academy of Management (AOM) Conference, Vancouver, BC, Canada, 2015. 【R】 [C15-2]
10. "Mei-Chih Hu, Jin-Su Kang*, and Tz-Da Huang (清大研究生) (2014) Determinants of innovation value in technological advance and latecomer countries: perspectives from technological regime and social technology, IAMOT2014, Oral Presentation, Washington, DC, USA, 2014. BEST PAPER AWARD 【R】 [C14-1]"
11. "Jin-Su Kang*, Tetyana Kholod (交大研究生), and Stephen Downing (交大研究生) Analysis of Russia's biofuel industry: knowledge flow and technological capabilities, IAMOT2014, Oral Presentation, Washington DC, USA, 2014. 【R】 [C14-2]"
12. "Jin-Su Kang, Dan Weltman, Chin-Shien Lin (2014) Exploring causal recipes of corporate social responsibility, innovation, and employee ownership for corporate financial performance: an application of a qualitative comparative analysis, Global Entrepreneurship and Innovation in Management Conference (supported by Journal of Business Research), Oral Presentation, Taichung, Taiwan, ROC, 2014. 【R】 [C14-3]"
13. "Jin-Su Kang, Jin-Li Hu, and Ching-Wen Chen (交大研究生) (2013) Linkage between International Food Commodity Prices and the Chinese Stock Market, SAC2013, Oral Presentation, Incheon, Korea, 2013. 【R】 [C13-1]"
14. "Jin-Su Kang, Tai-Yong Lee, Dong-Yup Lee and Chung-Chuan Chang (交大研究生) (2012) Robust Optimization of Microgrids, PSE2012, Oral Presentation, Singapore, 2012. 【R】 [C12-1]"

(C) 國科會計畫

1. 主持人, 競爭的雙重嵌入: 對員工偷獵的意義 500,000 元, 科技部 108-2410-H-009-022, 108.8.1-109.7.31 【R】
2. 主持人, 競爭動態: 辨別競爭對手 417,000 元, 科技部 107-2410-H-009-052, 107.8.1- 108.7.31 【R】
3. 主持人, 競爭關係網絡的策略意義: 併購 568,000 元, 科技部 106-2410-H-009-057, 106.8.1-107.7.31 【R】
4. 主持人, 平台競爭網絡的多層次分析: 企業間與人際間關係租的分配 327,000 元, 科技部 105-2410-H-009-058, 105.08.01-106.07.31 【R】
5. 主持人, 戰略平台設計: 網路化時代下關於競爭、永續性和關聯式資料的必要條件 496,000 元, 科技部 104-2410-H-009-050, 104.08.01-105.07.31 【R】
6. 主持人, 傳統電網及微電網的能源系統規劃 749,000 元, 科技部 102-2221-E-009-079, 102.08.01-103.07.31 【R】