

樊晉源 簡歷

一、基本資料：

姓名：樊晉源

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二、教育背景：

元智大學/工業工程與管理研究所/博士 (2005/06/30~2009/06/30)

大葉大學/事業經營研究所/碩士 (2001/06/30~2003/06/30)

三、現職：

科技政策研究與資訊中心 政策研究組 副研究員(2014/01/01 迄今)

四、經歷：

科技政策研究與資訊中心 政策研究組 副研究員 (2014/01/01~迄今)

科技政策研究與資訊中心 服務推廣組 副研究員 (2010/08/02~2013/12/31)

明道大學 產業創新與經營學系 助理教授 (2009/08/01~2010/08/01)

五、專長：

專利分析、產業分析、系統動力學、軟性計算、類神經網路

六、榮譽與特殊事蹟：

2012 年主導專利小組團隊，完成申請智財局發明專利一件

2013 年主導專利小組團隊，完成建構專利尋引擎與分析平台

2013 年 5 月發表本中心記者會一場

2016 年 7 月發表本中心記者會一場

七、著作(含研究報告、專利及學術性論著)：

研究報告及專書 (代表著作)

1. 樊晉源、林品華、張書豪、洪文琪、陳曉郁. 太陽能產業技術與標準初探. ISBN：9789576191695(PDF) 出版機構：國研院科技政策中心. 網址
<https://payment.narlabs.org.tw/stpibooks/book/bookDetail?id=00000004ca33539014d09554de660af#>
2. 樊晉源、張書豪、林品華、賴明豐. 科學計量與知識前沿技術報告分析. 出版機構：國研院科技政策研究與資訊中心 出版年月：2014-05 網址
<https://payment.narlabs.org.tw/stpibooks/book/bookDetail?id=00000004734e01501473d36facd001c#>
3. 洪長春、樊晉源、洪文琪、林品華. 染料敏化太陽能電池專利壁壘與突圍策略. ISBN：9789576191657(PDF) 出版機構：國研院科技政策中心 出版年月：2015-04

4. 樊晉源、許家豪、賴明豐、洪文琪. 智慧車產業專利布局及研發策略分析. ISBN : 9789576191909 (PDF) 出版機構：國研院科技政策中心 出版年月：2016-04
5. 樊晉源、賴明豐、謝佳靜. 探討車聯網產業之重點廠商專利佈局與分析 ISBN : 9789576192050 (PDF) 出版機構：國研院科技政策中心 出版年月：2017-02
6. 張瑞芬 張力元 吳俊逸 樊晉源. 專利分析與智慧財產管理：以資訊技術與知識管理方法為手段 ISBN : 9789576098925 出版機構：華泰文化事業股份有限公司 出版年月：2012-12

專利(本人為共同發明人之一)

1. 台灣發明專利 建立引用文獻資料的方法 I452474 201302~201302 林博文; 陳冠嘉; 樊晉源; 紀凱齡; 廖宜慶; 詹德譯 財團法人國家實驗研究院

學術性論著(陰影為參考著作名單，期刊為主)

1. Amy J. C. Trappey, Charles V. Trappey, Chin-Yuan Fan, Abby P. T. Hsu, XuanKaiLi & Ian J. Y. Lee (2017, Sep). IOT Patent roadmap for smart logistic serviceprovision in the context of industry 4.0 . Journal of the Chinese Institute ofEngineers. (SCI).
2. SH Chang, CY Fan (2017, Aug). Scientific or technological driving force?
3. Constructing a system of national innovative capacity. International Journal of Innovation Science, 9 (2), 170-183.
4. SH Chang, CY Fan (2017, Apr). A new model for measuring the impact of patentvalue growth trajectory. International Journal of Technology, Policy and Management, 17 (1), 40-57.
5. Cheng-Chin Tsao ·Pei-Chann Chang ·Chin-Yuan Fan ·Shu-Hao Chang ·FredPhillips (2016, Jun). A patent quality classification model based on an artificial immune system. Soft Computing, on line. (SCI).
6. Jheng-Long Wu, Pei-Chann Chang, Cheng-Chin Tsao, Chin-Yuan Fan (2016, Apr). A patent quality analysis and classification system using self-organizing maps with support vector machine. Applied Soft Computing, Volume 41, April 2016, Pages 305-316. (SCI).
7. Shu-Hao Chang, Chin-Yuan Fan (2016, Apr). Identification of the technology life cycle of telematics a patent-based analytical perspective. Technological Forecasting and Social Change, Volume 105, April 2016, Pages 1-10. (SSCI).
8. Shu-Hao Chang and Chin-Yuan Fan (2015, Jul). Telematics Technology Development Forecasting: The Patent Analysis and Technology Life Cycle Perspective. Lecture Notes in Electrical Engineering, 349,149-158. (EI). 本人為通訊作者.
9. Shu-Hao Chang, Chin-Yuan Fan* (2014, Mar). Analyzing Offshore Wind Power Patent Portfolios by Using Data Clustering. Industrial Engineering & Management Systems. (KSCI). 本人為通訊作者.
10. Yi-Ching Liaw, Te-Yi Chan, Chin-Yuan Fan & Cheng-Hsin Chiang (2014, Jan). Can the technological impact of academic journals be evaluated? The practice of nonpatent

- reference (NPR) analysis. *Scientometrics*. (Accepted). (SSCI).
11. Chin-Yuan Fan, Ming-Fong Lai, Shu-Hao Chang (2013, Sep). Applying HybridQuantity Analysis in the Asia Semiconductor Industry. *International Journal of Automation and Smart Technology*, Vol. 3 No. 3 143-153. 本人為第一作者、通訊作者.
 12. Amy.J.C.Trappey,Charles.V.Trappey,Chun-Yi Wu, Chin-Yuan Fan, Yi-Liang Lin (2013, May). Intelligent patent recommendation system for innovative design collaboration. *Journal of Network and Computer Applications*. (Accepted). (SCI).
 13. Chin-Yuan Fan*, Pei-Shu Fan, Te-Yi Chan, Shu-Hao Chang (2012, Aug). Using hybrid data mining and machine learning clustering analysis to predict the turnover rate for technology professionals.. *Expert Systems with Applications*, Volume 39, Issue 10, August 2012, Pages 8844-8851.. (SCI).
 14. Pei-Chann Chang*,T. Warren Liaob, Jyun-Jie Lina, Chin-Yuan Fanc (2011, Jul). A dynamic threshold decision system for stock trading signal detection. *Applied Soft Computing*, Volume 11, Issue 5, July 2011, Pages 3998-4010 . (SCI).
 15. Pei-Chann Chang*, Chin-Yuan Fan , Jun-Lin Lin (2011, May). Trend discovery in financial time series data using a case based fuzzy decision tree. , 38 (2011) 6070–6080. (SCI).
 16. Fan, C.-Y, Chang, P.-C*, Lin, J.-J, Hsieh, J.C. (2011, Jan). A hybrid model combining case-based reasoning and fuzzy decision tree for medical data classification . *Applied Soft Computing Journal* , 11 (1), pp. 632-644 . (SCI).
 17. Pei-Chann Chang,Chin-Yuan Fan,Jyun-Jie Lin (2011, Jan). Monthly electricity demand forecasting based on a weighted evolving fuzzy neural network approach. *Electrical Power and Energy Systems*, 33 (2011) 17–27. (SCI).

八、其他：

學術性論著(研討會相關著述名單)

1. C. Y. Fan, S. H. Chang, P. S. Fan, L. F. Kao (2014, Dec). Hybrid Intelligent Patent Mapping for Offshore Wind Industry Analysis. 2014 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM2014)., Malaysia . 本人為第一作者、通訊作者.
2. Chin-yuan Fan, Chia-Hao Hsu, Shu-Hao Chang,Pin-Hua Lin (2014, Oct). Using Innovative Intellectual Property Indicators to Identify National Knowledge Flow Effects. *Proceedings of the Asia Pacific Industrial Engineering & Management Systems Conference 2014*, Korea Je-Ju. 本人為第一作者.
3. Cheng-Chin Tsao,Pei-Shu Fan, Chin-Yuan Fan, Pei-Chann Chang (2014, May).Innovation Values in the Radio Frequency Identification Device Industry. The 2014 IEEE 18th International Conference on Computer Supported Cooperative Work in Design , Taiwan Hsinchu.
4. Shu-Hao Chang ,Chin-Yuan Fan (2013, Dec). The Study of Patent Portfolio with Multiple Correspondence of Offshore Wind Power. The 14th Asia Pacific Industrial

Engineering and Management Systems Conference (APIEMS 2013) ,cebu . 本人為通訊作者.

5. Fan Chin-Yuan*, Ju Sheau-Pyng , Lai Ming-Fong (2012, Dec). Using System Thinking to Investigate Co-Opetition Analysis for Manufacturers in the Cloud Industry. Proceedings of the 2012 IEEE International Conference on Industrial Engineering and Engineering Management, Hong Kong.
6. Y. C. Liaw*, C. Y. Fan, T. Y. Chan, K. L. Chi (2012, Dec). Does Science and Technology Correlation with Academic Ability? A New Science and Technology Linkage Evaluation Ranking System Introduce. Proceedings of the 2012 IEEE International Conference on Industrial Engineering and Engineering Management, Hong Kong.
7. Ju Sheau-Pyng , Lai Ming-Fong*, Fan Chin-Yuan (2012, Jun). Using Patent Analysis to Analyze the Technological Developments of Virtualization Procedia - Social and Behavioral Sciences International Conference on Asia Pacific Business Innovation and Technology Management, Getting Malaysia. NSC 100-2218-E-492-003.
8. Trappey, Amy J. C.; Trappey, Charles V.; Wu, Chun-Yi; Fan, Chin Yuan; Lin, Yi-Liang (2012, May). Intelligent Recommendation Methodology and System for Patent Search. Proceedings of the 2012 IEEE 16th International Conference on Computer Supported Cooperative Work in Design, Wuhan, China.
9. Chin Yuan Fan*, M. F. Lai, T. Y. Huang, C. M. Huang (2011, Dec). Applying Kmeans Clustering and Technology Map in Asia Pacific- Semiconductors Industry Analysis. Proceedings of the 2011 IEEE International Conference on Industrial Engineering and Engineering Management, SINGAPORE. NSC 100-2221-E-492-016.

九、最近四年參與計劃名稱：

年度	計劃名稱	職稱
105	透過專利分析觀測綠能產業成熟度與研提策略方向	共同主持人
104	專利佈局情報分析與服務(104-107)	組員兼副召集人
104	運用整合性探勘及預測技術於太陽能產業之技術發展研究(MOT104-2221-E-492-007-MY2) 主持人	主持人
104	台灣大學 聯發科 大產學委託政策中心專利搜尋計畫	組員
103	專利佈局情報分析與服務(103)	組員
103	運用科學知識前沿探討技術擴散能量(MOT103-2410-H-492-001-)	主持人
103	釋商科專招商與技術衍生價值創造研究 國家中山科學研究院 CSIST-0629-V101(103)主持人	主持人
102	科學計量與知識前沿(102)	組員

102	運用機器學習技術進行專利價值之整體性評估(I)(MOT 102-2221-E-492-020-)	主持人
102	基於離岸風電關鍵技術開發與推動政策支援之動態專利分析及觀測平台建構(I)(MOT 102-3113-P-027-002-)	共同主持人
101	科學計量與知識前沿(101)	專利團隊代理主持人
101	跨國頂尖研究中心計畫辦公室(執行人員)	組員
101	因應雲端運算下各國資訊安全產業發展、相關科技創新與雲端政策推動架構之研析---以台灣與中國為例(執行人員)	組員