## A Study of the Intellectual Capital Acquisition of Taiwanese Firms in Mainland China : Resource Dependence Perspective

## 徐明儀、沈介文

E-mail: 9125887@mail.dyu.edu.tw

## **ABSTRACT**

In the era of knowledge economy, intellectual capital has been regarded the most important strategic resource of the enterprises to build their sustained competitive advantages. As for the multinational corporations (MNCs), operating in the environment is different from home country, and facing more risks and uncertainties. Therefore, in the internationalization process, the intellectual capital of subsidiaries should be formed with the internal resources transferred from the headquarters and the complementary resources gained from the external environment to overcome the disadvantages. While the organizations try to acquire the resources for creating advantages, especially for the key resources, they must interchange resources with other organizations, and then result in resources dependence relationships. Because of the acquire mode of the intellectual capital stands for the dependence of the firms 'choice. Therefore, this study use resource dependence perspective to classify the mode into two types comprising internal-acquired and external-acquired, which is based on the environment 'attribute. And use the questionnaire survey to collect data of the Taiwanese firms in Mainland China to test the relationship among the variances including industrial type, investment motivation, entry time, and the acquire mode of intellectual capital. Try to understand the difference in the modes and the degrees of dependence on different types of the intellectual capital. By statistic analysis including factor analysis, T test, canonical correlation and two-way analysis of variance, we find the results below: 1. Most of the Taiwanese firms depend on the headquarters to transfer the innovation capital, but gain the human capital by external-acquired. 2. There is obvious difference in the acquire modes of the relationship capital between different industrial categories. 3. There are 2 pairs obvious canonical correlation between the motivations of overseas investment and the acquire modes of the intellectual capital. 4. Industrial type and entry time make influence both to the motivations of overseas investment and the acquire modes of the intellectual capital.

Keywords: Resources Dependence; Intellectual Capital; Internal-acquired; External-acquired

Table of Contents

第一章 緒論 第一節 研究背景與動機

1 第二節 研究目的

3 第二章

文獻探討 第一節 資源依賴理論

4 第二節 智慧資本的定義與類型

6 第三節 智慧資

本的取得方式

9 第四節 海外投資動機

11 第三章 研究設計 第一節 研究架構

14 第二節 問卷設計與變數衡量

49

15 第三節 抽樣

18 第四節 資料

分析方法

20 第四章 研究結果 第一節 樣本描述

22 第二節 因素分析

25 第三節 假說驗證結果

27 第五章 結論與建議 第一節 研究限制

36 第

二節 研究結論

36 第三節 未來研究建議

41 參考文獻

43 附錄

研究問卷

## **REFERENCES**

一、中文部份 1. 中華經濟研究院(1991),廠商對外投資對我經濟發展之影響 東南亞地區調查研究。 2. 朱邦復(1998),智慧學九論,台灣商務印書館。 3. 林明杰(2000),海外投資動機與技術移轉內涵對企業經營績效關係之研究 以台商在泰國地區投資為例,台商 東亞的菅芒花:擴散與調適[2/3],國科會專題研究計劃成果報告,頁97-108。 4. 林燦螢(2001),智慧資本發展模式之研究,國立台灣師範大學工業教育研究所博士論文。 5. 呂錦龍(1994),台商赴大陸投資人員派遣制度研究,文化大學勞工研究所碩士論文。 6. 袁敬棠(1994),臺商大陸內銷市場經營策略:以食品業為例,國立台灣大學三民主義研究所未出版碩士論文 7. 張義杰(1996),臺灣廠商赴中南美洲直接投資動機與區位選擇之研究,台大商研所碩士論文。 8. 曾紀幸(1999),臺商赴海外投資動機與資源基礎之探討,屏東技術學院學報,第1期,頁37-55。 9. 莊煥銘、吳建明、葉蔭得(2000),企業經營策略、知識資源與組織績效關係之研究,第二屆永續發展管理研討會論文集,頁227-234。 10. 趙必孝(1997),台商在大陸子公司策略性任用管理之研究,管理學報,第14卷第1期,頁65-91。 11. 戴嫒坪(1998),食品業赴大陸投資之研究,經濟情勢暨評論季刊,第4卷第1期。 12. 經濟部統計處,製造業對外投資實況調查報告,民國88年8月。 13. 經濟部統計處,製造業對外投資實況調查報告,民國80年8月。 二、英文部份 1. Almeida, P. & Kogut, B.(1999),"Localization of Knowledge and the Mobility of Engineers in Regional Networks",Management Science, vol.45, pp.905-917 2. Aldrich, H. (1976),"Resource Dependence

and Interorganizational Relations: Local Employment Service Offices and Social Sector Organizations ", Administration and Society, vol.7, no.4, pp.419~453. 3. Andersson, U. & Forsgren, M. (1996), "Subsidiary Embeddedness and Control in the Multinational Corporation", International Business Review, vol.5, no.5, pp.487-508. 4. Bassi, L. & McMurrer, D. (1997), "Training Investment can Mean Financial Performance", Training and Development, vol.52, no.5, pp.40-42.5. Bontis, N. (1998), "Intellectual Capital: An Exploratory Study that Develops Measures and Models ", Management Decision, vol.36, no.2, pp.63-76. 6. Boyacigiller, N. (1990), "The Role of Expatriates in the Management of Interdependence, Complexity and Risk in Multinational Corporations", Journal of International Business Studies, vol.21, no.3, pp.357-381.7. Brooking, A. (1996), "Intellectual Capital", London: International Thomson Business Press. 8. Czinkota, M.R., Ronkainen, I.A., Moffett, M.H.and Moynihan, E.O. (2001), "Global Business", Orland: Harcourt Inc. 9. Decarolis, D.M. and Deeds, D. L. (1999), "The Impact of Stocks and Flows of Organizational Knowledge on Firm Performance: An Empirical Investigation of the Biotechnology Industry ", Strategic Management Journal, vol.20, pp.953-968. 10. Douglas, S. P. & Craig, C. S. (1989), "Evolution of Global Marketing Strategy, Scope and Synegy ", Columbia Journal of World Business, Fall, pp. 47-59. 11. Drucker, P.F. (1993), "Post Capitalist Society", New York: Harper Business. 12. Dunning, J.H. (1979), "Explaining changing patterns of international production: in defense of the eclectic theory", Oxford Bulletin of Economics and Statistics, vol.41, pp.269-295. 13. Edvinsson L. and Malone, M.S. (1997), "Intellectual Capital", New York: HarperCollins Publishers, Inc. 14. Evans, P. & Lorange, L. (1989), "The Two Logics Behind Human Resource Management", In Paul Evans, Yves Doz & Andre Laurent, editors, Human Resource Management in Intrenational Firms: Change, Globalization, Innovation. London: Macmillan. 15. Hall, R. H. (1987), "Organizations: Structure, Process, and Outcomes", New Jersey: 4th, Prentice Hall. 16. Helleloid, D. and Simonin, B.(1994), "Organizational Learning and a Firm's Core Cometence", Competence-Based Competition edited by Gray Hamel and Aime Heene, New York: John Wiely and Sons, pp.213-240. 17. Grant, R. M. (1996), "Toward A Knowledge-Based Theory of The Firm", Strategic Management Journal, Vol.17, pp.109-122. 18. Hunger, J. D. & Wheelen, T. L. (1998), "Strategic Management & Business Policy", 6th, Addison-Wesley. 19. Hymer, S. (1960), "The International Operations of National Firms: A Study of Direct Investment", Ph.D. Thesis, MIT: Published by MIT Press under Same Title in 1976. 20. Johanson, J. & Mattsson, L. G. (1987), "Interorganizational Relations in Industrial Systems: A Network Approach Compared with the Transaction-Cost Approach ", International Studies of Management and Organization. Vol.17, no.1, pp.34-48. 21. Kogut, B. & Zander, U. (1992), "Knowledge of the Firm and the Evolutionary Theory of the Multinational Corporation", Journal of International Business Studies, vol.24, pp.625-645. 22. Leonard-Barton, D. (1995), "Wellspring of Knowledge", Boston Mass: Hstbstf Business School Press. 23. Levine, S. & White, P. (1961), "Exchange as a Conceptual Framework of a Study Interorganizational Relationships", Administrative Science Quarterly, vol.5, pp.583-601. 24. Moran, P. & Ghoshal, S. (1996), "Bad for Practice: A Critique of the Transaction Cost Theory ", Academy of Management Review, vol.21, pp.13-47 25. Nahapiet, J. and Ghoshal, S. (1998), "Social Capital, Intellectual Capital and the Organizational Advantage ", Academy of Management Review, vol.23, pp.242-266, 26, Nerdrum, L. & Erikson, T. (2001), "Intellectual capital: A human capital perspective ", Journal of Intellectual Capital, vol.2, no.2, pp.127-135. 27. Nonaka, I. & Takeuchi, H. (1995), "The Knowledge-Creating Company", Oxford University Press. 28. Organization for Economic Co-operation and Development (OECD) (1999), "Measuring and Reporting Intellectual Capital: Experience, Issues and Prospects, an International Symposium", Programme Notes and Background to Technical Meeting and Policy and Strategy Forum. 29. Pfeffer, J. and Salancik, G.R.(1978), "The External Control of Organizations: A Resource Dependence Perspective", Harper & Row Publishers, pp.39-91. 30. Pucik, V. & Katz, J. H. (1986), "Information, Control Human Resource Management in Multinational Firms ", Human Resource Management, vol.25, no.1, pp.121-132, 31, Robbins, S. p. (1992), "Management", Prentice-Hall International, Inc. 32. Roos, J., Roos, R., Edvinnsson, L. and Dragonetti, N. (1998), "Intellectual Capital: Navigating in the New Business Landscape ", New York: New York University Press. 33. Scott, W. R. (1992), "Organizations: Rational, Natural, and Open Systems ", Eaglewood Cliffs, N. J.: Prentice-Hall. 34. Stewart, T. A. (1997), "Intellectual Capital: The New Wealth of Organizations ", New York: Bantam Doubleday Dell Publishing Group, Inc. 35. Thompson, J. D. (1967), "Organizations in Action", McGraw-Hill, New York. 36. Ulrich, D., Brockband, D.and Yeung (1989), "Beyond Belief: A Benchmark for Human Resources", Human Resource Management, Vol., no.3, pp.311-335. 37. Ulrich, D. (1998), "Intellectual Capital Equals Competence X Commitment", Sloan Management Review, vol.39, no.2, pp.15-26.