

Using TAM And FASHION To Affect The Study Of Consumer Behavior In Mobile Commerce

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ABSTRACT

The first wave of the Internet boom has been rising in the United States, the first country which invented the Internet, then the power of the Internet swap through all worlds and also led the development of e-commerce boom. However, industry transform the pace following information technology changes, the popularity of mobile devices has been more popular than usual, our society has gradually transformed into one kinds of mobile communications worlds, The advantages of the mobile communication can create the great flexibility and convenience to the enterprise not limit to time and location. This research considers about the user's view and discuss about what 's factor influence about mobile-commerce customers. This research frame has been built by mobile communications characteristics and fashion structure based on technology acceptance model. And receive for Internet 234 valid questionnaires, then used structural equation model for this topic analysis. The empirical results reveal that users ' who use mobile commerce have high significance about this service existing in everywhere. But the personal service in mobile commerce seems not significant than user 's perceive. The impact of mobile commerce influence users ' biggest factor was the users' perception. Therefore, system development has been based in simple, human interface and special features function that 's the most important factor attracting consumer.

Keywords : technology acceptance model ; fashion ; Electronic

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REFERENCES

一、中文文獻: 邱皓政(2003), 結構方程模式, 台北市:雙葉書廊。黃芳銘(2006), 結構方程模式, 台北市:五南。Forrester和資策會:ACI-IDEA-FIND/經濟部技術處「創新資訊應用研究四年計畫」(國科會NO. Nsc72-0201-1-1-210-140,pp. 155-160) 資策會FIND / 經濟部工業局「電信平台應用發展推動計畫」(2007)(國科會, NO. Nsc88-0201-1-1-250-160,pp. 123-126)。張志豪(2006), 建構行動商務的關鍵成功因素, 國立高雄用科技大學商務經營研究所未出版之碩士論文。游景文(2006), 行費者採用行動商務行為意向之研究, 資訊管理學報, 14(3),pp269-36。張世雄(2002), 台灣行動電話產業物流營運模式及其績效之研究, 私立中原大學資訊管理學系未出版之碩士論文

。黃森煌(2002), 台灣宅配業發展趨勢之探索性研究, 國立東華大學資訊管理學系未出版之碩士論文。朱榮宗(2005), 台灣行動電話產業物流營運模式及其績效之研究, 私立中原大學資訊管理學系未出版之碩士論文。李昆瑜(2006), 影響顧客採用行動通信3G系統意願之關鍵因素分析, 私立中原大學資訊管理學系未出版之碩士論文。黃冠誌(2007), 影響行動上網意願因素之研究-以台灣三大都會區使用者為例, 私立輔仁大學資訊管理學系未出版之碩士論文。賴宜呈(2001), 科技接受模式在行動上網市場之實證研究-以大台北地區為例, 私立銘傳大學資訊管理學系未出版之碩士論文。林安凱(2006), 建構行動商務的關鍵成功因素, 國立臺灣大學企業管理學系未出版之碩士論文。

二、英文文獻: Ljungberg and G. B. Mueller-Veerese (2000). The influence of multiple store environment cues on perceived merchandise value and patronage intentions. *Journal of Marketing*, 66(4), 120-141. Homburg C., N. Nickerson and Warkentin, W. D. (2004). Do satisfied customers really pay more? A study of the relationship between customer satisfaction and willingness to pay, *Journal of Marketing*, 69, 84-96. Oooa, S., R. A. and Patel S. (2005). Exploring the implication of M-commerce for markets and marketing, *Journal of the Academy of Marketing science*, 30(4), 348-361. Looney, Lee. (2004). An exploratory analysis of relationships between cellular phone uses shopping motivators and lifestyle indicators, *Journal of Information Systems*, 65-73. Gera Y. E. (2005). A framework for the study of customer interface design for monile commerce. *International Journal of Electronic Commerce*, 8(3), 79-102. Pedersen Wang. (2006). An examination of the determinants of customer loyalty in mobile commerce contexts", *Information and Management*, 43(5), 271-282. Fang, S. (2006). What do we know about internet adopters a cluster analysis, *Information and Management*, 43(4), 127-14. Fishbein, M. & Ajzen, I. (1975). *Belief, Attitude, ntion, and Behavior: An introduction to theory and research*, MA:Addison-Wesley. *Information and Management*, 45(4), 281-272. Ajzen, I. (1985). From intentions to action: a theory of planned behavior, *action-control: Form cognition to behavior*, Heidelberg: Springer. 46(1), 265-238. Davis, F. D. (1986). A technology acceptance model for empirically testing new end-user information system: theory and results. Ph. D. dissertation, MIT sloan school of management, Cambridge, MA. Rasinghani, J. H. (2001). What drives mobile commerce an empirical eveauation of the revised technology acceptance model. *Information and Management*, 42(1), 719-729. Frolick, R. P. (2004). A field investigation of causal relations among cognitions, affect, intentions, and behavior. *Journal of Marketing Research*, 38(2), 236-568. Kalakota, M., and Robins, J. (2001). What ' s so different about the mobile Internet? *Communications of the ACM* (forthcoming, 39, 246-468). Turban, M., & king, C. (2001). Expanding the mobility concept. *ACM SIGGROUP Bulletin*. 22(3), 33-37. Siau, P. (2004). Why do people use information technology a critical review of the technology acceptance model. *Information & Management*. 40(3), 191-204. Shin, K., & Shim, J. (2005). Improving returns on M-Commerce investmenets. *Journal of Business Strategy*. 22(5), 12-16. Raisinghani, J., & Vaidyanathan, M. J. (2002). Success factors and impacts of mobilebusiness applications: Results from a mobile e-procurement study. *International Journal of Electronic Commerce*. 8(3), 19-41. Turban, K., and King, L. D. (2003). Wireless technology diffusion: An evaluation model for wireless services. *Proceedings of Association for information systems annual conference*, 28, 136-368. Ware, D. L. (2002). Task-technology fit and individual performance. *MIS Quarterly*. 19(2), 213-236. Wu, D. C., & Wang, P. A. (2005). Upper echelons: The organization as a reflection of its top managers. *Academy of Management Review*. 9(2), 193-206. Nah, C. (2005). Expanding the mobility concept. *ACM SIGGROUP Bulletin*. 22(3), 33-37. Looney, R. (2004). *M-Business: Roadmap for success*. Reading, MA: Addison-Wesley. 25(3), 35-37. Bagozzi, Y. E., & Warshaw, I. (1989). A framework for the study of customer interface design for mobile commerce. *International Journal of Electronic Commerce*. 8(3), 79-102. Lin, K., & Lu, J. (2000). Improving Returns on M-Commerce Investmenets. *Journal of Business Strategy*. 22(5), 12-16. Mathieson, D. H., & Chin, C. (2001). Developing and validating trust measures for e-commerce: An integrative typology. *Information System Research*. 13(3), 334-359. Adams, S. (1992). " What do we know about mobile Internet adopters " A cluster analysis. *Information & Management*. 43, 127-141. Lederer, M. (2000). Beyond the handset: Designing for wireless communications usability. *ACM Transactions on computer-Human Interaction*. 9(2), 125-151. Holly, G. S. (1973). An organizational context for case innovation. *Information Resources Management Journal*. 6(3), 21-34. Miller, S. B., & Mcintyre, A. L. (1993). Reconceptualizing the determinants of risk behavior. *Academy of Management Review*. 17(1), 9-38. Baumgsrten, W. (1975). Testing the technology acceptance model across cultures: a three country study. *Information and Management*. 33(1), 1-11. King, B. (1963). Effects of trust on customer acceptance of internet banking. *Electronic Commerce Research and Applications*. 1(3/4), 247-263. Robinson. A. (1961). Understanding information technology usage: a test of competing models. *Information Systems Research*. 6(2), 144-176. SHang, L. G., & shen, K. J. (2005). Innovation characteristics and innovation adoption implementation: A meta-analysis of findings. *IEEE Tranactions on Engineering Management*. 29, 28-45. Chambers, D. (2005). *Introduction to E-Commerce*. Upper saddle river, NJ:Prentice Hall. Muller-Veerse, V. (1999). Determinants of perceived ease of use: Integrating control, intrinsic motivation, and emotion into the technology acceptance model. *Infromation Systems Research*. 11(4), 342-365. Clarke, F. D. (2001). A theoretical extension of the technology acceptance model: four longitudinal field studies. *Management Science*. 46(2), 186-204. Moon, V., & Kim, M. G. (2001). Why do not men ever stop to ask for directions? Gender, social influence, and their role in technology acceptance and usage behavior. *MIS Quarterly*. 24(1), 115-139. Vijayarathy, R. (2004). A framework for the emerging mobile commerce applications. In R.H. Sprague, JR. (ed.). *Proceedings of the 34th Hawaii International Conference on System Sciences*. Los Alamitos, CA: IEEE Computer Society Press, 3516-3525. Bruner, U., & Kumar r., R. (2005). Mobile commerce: Framework, applications and net-working support. *Mobile Networks and Applications*, 7, 185-198. Luarn, V. & Lin s, F. (2005). User acceptance of information technology: Toward a unified view. *MIS Quarterly*. 27(3), 425-478. Yang, W. (2005). E-business adoption by travel agencies: Prime candidates for mobile e-business. *International Journal of Electronic Commerce*. 8(3). 43-63. Ford, J. H., & Richardson, S. C. (1994). What drives mobile commerce? An empirical evaluation of the revised technology acceptance model. *Information & Management*. 42(5), 719-729. Miller, L. (1993). Production of trust: Institutional sources of economic structure(1840-1920). *Research in Organizational Behavior*, 8, 53-111. Tsalgatidou, D. A. & Pitoura, P. A. (2001). Perceived usefulness, ease of use, and usage of

information technology: a replication. *MIS Quarterly*. 16(2), 227-247. Clack, J. (2001). A conceptual and operational definition of personal innovativeness in the domain of information technology. *Information Systems Research*. 9(2), 204-301. Mcintpe, F. D. , & Mantrala, R. P. (1993). User acceptance of computer technology: A comparison of two theoretical models. *Management Science*. 35(8), 982-1003. Strong, F. P. (1999). *Wireless Web: A Manager ' s Guide*. Boston: Addison-Wesley. Moon, M. T. , & Kim, D. M. (2000). Extending the technology acceptance model with task-technology fit constructs. *Information & Management*. 36(1), 9-21. Taylor, P. M., & Todd, J. P. (1995). An examination of the nature of trust in buyer-seller relationships. *Journal of Marketing*. 61(2), 35-51. Teo, J. , & Pok, M. J. (2003). Success factors and impacts of mobile business applications: Results from a mobile e-procurement study. *Journal of Marketing*. 65(2), 40-62. Joreskog, K. (1973). Predicting user intentions: comparing the technology acceptance model with the theory of planned behavior. *Information Systems Research*. 2(3), 173-191.