

Syllabus of Management Information System Research
Department of Information Management
National Dong Hwa University

Time: Tuesday, 2/20/2024 ~ 6/18/2024 14:10 ~ 17:00

Place: Management Building C136

Instructor(s): Dr. Yuh-Jia Chen (yc222@gmail.com) and Dr. Fang-Ming Hsu (Professor.Hsu@gmail.com)

Week	Date	Theory	Presenter	Note
1	2/20	Orientation	Instructor	
2	2/27	Introduction to MIS Research	Instructor	
3	3/5	Construction of Theory	Instructor	
4	3/12	Transaction Cost Theory	Instructor and Student	
5	3/19	Diffusion of Innovation	Instructor and Student	
6	3/26	Network Externalities	Instructor and Student	
7	4/2	Holiday		
8	4/9	Theory of Reasoned Action	Instructor and Student	
9	4/16	Technology Acceptance Model	Instructor and Student	
10	4/23	Theory of Planned Behavior	Instructor and Student	
11	4/30	Elaboration Likelihood Model	Instructor and Student	
12	5/7	Social Cognitive Theory	Instructor and Student	
13	5/14	Social Exchange Theory	Instructor and Student	
14	5/21	Resources Dependence Theory	Instructor and Student	Framework
15	5/28	Resources-based Theory	Instructor and Student	Framework
16	6/4	Structuration Theory	Instructor and Student	Framework
17	6/10	Holiday		
18	6/19	Flexibility		

Course Details:

1. Introduction of related theories in Information Management discipline
2. Presentation and comments to assigned paper in different issues.

Grading:

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| 1, Presentation of assigned paper | 50% |
| 2, Discussion on the course | 30% |
| 3, Research Framework proposed by students | 20% |

Textbooks:

梁定澎, 陳灯能, 烹志宏, (Information Management Theory) 度程文化 2021 (in Chinese)

Reference: Theories Used in IS Research Wiki, https://is.theorizeit.org/wiki/Main_Page

1. MIS Research
Clark, Jan Guynes; Au, Yoris A.; Walz, Diane B.; Warren, John, "Assessing Researcher Publication Productivity in the Leading Information Systems Journals: A 2005-2009 Update," Communications of AIS, 20.11, Vol. 29, p459-504.
2. Transaction cost theory
(A) Schermann, Michael, Dongus, Konrad; Yetton, Philip; Kremar, Helmut., "The Role of Transaction Cost Economics in Information Technology Outsourcing research: A meta-

- analysis of the choice of contract type,” *Journal of Strategic Information Systems*, Mar 201.6, Vol. 25 Issue 1, p32-48.
- (B) Vitharana, Padmal; Dharwadkar, Ravi., “Information Systems Outsourcing: Linking Transaction Cost and Institutional Theories,” *Communications of AIS*. 2007, Vol. 20, p346-370
3. Diffusion of innovation
- (A) Miranda, Sheila M.; Kim, Inchan; Summers, Jama D., “Jamming with Social Media: How Cognitive Structuring of Organizing Vision Facets Affects IT Innovation Diffusion,” *MIS Quarterly*, Sep 2015, Vol. 39 Issue 3, p591-614.
- (B) Baskerville, Richard L.; Myers, Michael D., “Fashion Waves in Information Systems Research and Practice,” *MIS Quarterly*. Dec 2009, Vol. 33 Issue 4, p647-662
4. Network externalities
- (A) Sunil Wattal, Pradeep Racherla, and Munir M., “Network Externalities and Technology Use: A Quantitative Analysis of Intraorganizational Blogs,” *Journal of Management Information Systemic*, Summer 2010, Vol. 27 Issue 1, p145-173.
- (B) Chiu, Chao-Min; Cheng, Hsiang-Lan; Huang, Hsin-Yi; Chen, Chieh-Fan, “Exploring individuals' subjective well-being and loyalty towards social network sites from the perspective of network externalities: The Facebook case,” *International Journal of Information Management*. Jun 2013, Vol. 33 Issue 3, p539-552.
5. Theory of reasoned action
- (A) Aderonke A. Oni, Samuel Oni, Victor Mbarika, Charles K. Ayo, “Empirical Study of User Acceptance of Online Political Participation: Integrating Civic Voluntarism Model and Theory of Reasoned Action,” *Government Information Quarterly*, Volume 34, Issue 2, April 2017, P317-328
- (B) Libaque-Saenz, Christian Fernando; Chang, Younghoon; Kim, Jimin; Park, Myeong-Cheol; Rho, Jae Jeung, “The Sole of Perceived Information Practices on Consumers' Intention to Authorize Secondary Use of Personal Data,” *Behavior & Information Technology*, May 20.1.6, Vol. 35 Issue 5, p339-355.
6. Technology acceptance model
- (A) Jingjun Xu; Benbasat, Jzak; Cenfetelli, Ronald T., “Integrating Service Quality with System and Information Quality: An Empirical Test in the E-Service Context,” *MIS Quarterly*, Sep 2013, Vol. 37 Issue 3, p777-794.
- (B) Yeh, RalphKeng-Jung; Teng, JamesT.C., “Extended conceptualization of perceived usefulness: empirical test in the context of information system use continuance,” *Behavior & Information Technology*, May 2012, Vol. 31 Issue 5, p525-540.

7. Theory of planned behavior
 - (A) Pavlou, Paul A.; Fygenson, Mendel, "Understanding and prediction Electronic Commerce Adoption: An Extension of the Theory of Planned Behavior," MIS Quarterly. Mar2006, Vol. 30 Issue 1, p115-143.
 - (B) Weigel, Fred K.; Hazen, Benjamin T.; Cegielski, Casey G.; Hall, Dianne J., "Diffusion of Innovations and the Theory of Planned Behavior in Information Systems Research: A Meta analysis," Communications of the Association for information Systems, 2014, Vol. 34, p619- 636.
8. Elaboration likelihood model
 - (A) Shuk Ying Ho; Bodoff, David, "The Effects of Web Personalization on User Attitude and Behavior: An Integration of the Elaboration likelihood model and Consumer Search Theory," MIS Quarterly, Jun 2014, Vol. 38 Issue 2, p497-520.
 - (B) Bhattacharjee, Anol; Sanford, Clive, "Influence Processes for Information Technology Acceptance. An Elaboration Likelihood Model," MIS Quarterly. Dec2006, Vol. 30 Issue 4, pS05- 825
9. Social cognitive theory
 - (A) Junglas, Iris; Goel, Lakshmi; Abraham, Chon; Ives, Blake, "The Social Component of Information Systems-How Sociability Contributes to Technology Acceptance," Journal of the Association for Information Systems, Oct 2013, Vol. 14 Issue 10, p585-616.
 - (B) Chang, Kuo-chung; Yen, Hung-Wei; Chiang, Chih-Ching; Parolia, Neeraj, "Knowledge Contribution in Information System Development Teams: An Empirical Research from a Social Cognitive Perspective," International Journal of Project Management. Feb 2013, Vol. 31 Issue 2, p252-263.
10. Social exchange theory
 - (A) St. John, Jeremy; Visinescu, Lucian L.; Guynes, Carl S.; Prybutok, Victor R., "Information and Communication Technology Offshoring Logistics Success: A Social Exchange Perspective," Information Systems Management, 2016, Vol. 33 Issue 3, p212-230.
 - (B) Liu, Zilong; Min, Qingfei; Zhai, Qingguo; Smyth, Russell, "Self-disclosure in Chinese Micro- blogging: A Social Exchange Theory Perspective," Information & Management. Jan 2016, Vol. 53 Issue 1, p53-63.
11. Resource dependence theory
 - (A) Rao, M. T., Brown, C. V. and Perkins, W. C., "Host Country Resource Availability and Information System Control Mechanisms in Multinational Corporations: An Empirical Test of Resource Dependence Theory," Journal of Management Information Systems, Spring 2007, Vol. 23 Issue 4, p11-25,
 - (B) Michopoulou, Eleni; Buhalis, Dimitrios, "Information Provision for Challenging Markets: The Case of the Accessibility Requiring Market in the Context of Tourism," Information & Management. Jul 2013, Vol. 50 Issue 5, p229-239.

12. Resource-based Theory

- (A) Lioukas, Constantinos S.; Reuer, Jeffrey J.; Zollo, Maurizio., "Effects of Information Technology Capabilities on Strategic Alliances: Implications for the Resource-Based View," *Journal of Management Studies*, Mar 2016, Vol. 53 Issue 2, p161-183.
- (B) G. Wang, Eric T.; F. Tai, Jeffrey C.; Grover, Varun., "Examining the Relational Benefits of Improve Interfirm Information Processing Capability in Buyer-Supplier Dyads," *MIS Quarterly*, Mar 2013, Vol. 37 Issue 1, p149-173.

13. Structuration theory

- (A) Schmitz, Kurt W.; Teng, James T. C.; Webb, Kimberly J., "Capturing the Complexity of Malleable IT Use: Adaptive Structuration Theory for Individuals," *MIS Quarterly*, Sep 2016, Vol. 40 Issue 3, pp 663-686.
- (B) Hossain, Md. Dulal; Moon, Junghoon; Kim, Jin Ki; Choe, Young Chan, "Impacts of Organizational Assimilation of E-government Systems on Business Value Creation: A Structuration Theory Approach," *Electronic Commerce Research & Applications*, Sep 2011, Vol. 10 Issue 5, p576-594.