

CIS 84000: Contemporary Topics in IS
Fall 2016
(Last Update: Aug 28, 2018)

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Course Objectives:

The main aim of this research seminar is to get a broader understanding of contemporary research topics at the intersection of Information Systems and Organizations. To accomplish this, the first half of this seminar will provide a brief overview of theories used to understand organizations as well as emphasize the role of qualitative research methods.

The second half of the seminar will look at contemporary research in emerging IS areas such as Healthcare Information Systems and Digital Infrastructure. The topics examined in these sessions have been chosen somewhat arbitrarily both to minimize the overlap with your previous IS research seminars as well as to maximize the relevance of theories covered for your future needs.

Course Format

As is the norm with most seminar courses, the instructor will act more as a facilitator than as a lecturer. Hence, it is important that you keep abreast of the assigned readings, reflect on them and participate actively in class. You will be responsible for not only your learning, but also the learning of your colleagues through the discussions that occur in-class. Given the small size of the class, please note that the themes and the papers assigned are tentative and may change based on the background of students in class.

Course Requirements:

General Participation: Students are expected to come to class prepared to discuss the readings assigned for the week. The discussions are expected to go beyond summaries of individual papers to touch on various themes that link the papers together. Participation naturally includes other activities you will be assigned from time-to-time.

Discussant Role: While the students are expected to read all papers assigned for a particular week and write weekly memos, each student will be assigned as a discussant to individual papers. The discussant should

prepare a list of discussion questions for the paper and as well as make a presentation of his/her thoughts on the paper. The interactive presentation must go beyond summarizing the paper and should facilitate discussion among participants. Please bring a printed copy of the discussion questions to distribute to other students in class.

Weekly Memos: You are required to write a 1-2 page memo for each class (from Week #2). The memo should go beyond summarizing the paper to include your reflections (including substantive discussion questions) on the readings of the week in its entirety. **Please send your weekly memos directly to me via email by Tuesday at 10 pm.**

Research Proposal/Paper: The participants in the seminar are also expected to write a research paper with special emphasis on organizational IS.

Evaluation:

General Participation	20%
Discussant Role	20%
Weekly Memos	30%
Research Proposal	30%

Required Books

Gareth Morgan, Images of Organization, Sage Publications, Inc; Updated edition, 2006.

Tentative Course Readings:

Week 1: Introduction

John L. Casti, Chapter 1 (Faith, Hope and Asperity: Belief Systems, Science, and the Invention of Reality) from the book “Paradigms Lost: Images of Man in the Mirror of Science”, pp 1-67, 1989

Van De Ven, Chapter 1, Engaged Scholarship: A Guide for Organizational and Social Research

Week 2: Methods, Perspectives (Tentative)

Sutton, R. I., & Staw, B. M. (1995). What Theory is Not, Administrative Science Quarterly, 40, 371-384.

Bacharach, S. (1989). Organizational theories: Some criteria for evaluation, *Academy of Management Review*, 14(4), 496-515.

Weick, K. E. (1995). What Theory is not, Theorizing is, *Administrative Science Quarterly*, 40, 385-390.

Abbott, Andrew. 1988. "Transcending General Linear Reality." *Sociological Theory* 55 (5): 169-186.

Ramiller, Neil C, and Brian T Pentland. 2009. "Management Implications in Information Systems Research: The Untold Story." *Journal of the Association for Information Systems* 10 (6): 474-494.

Straub, Detmar. 2009. "Creating Blue Oceans of Thought Via Highly Citable Articles." *MIS Quarterly* 33 (4): iii-vii.

Myers, Michael. Qualitative Research in Information Systems:
<http://www.qual.auckland.ac.nz/>

Optional:

Ramiller, Neil C, Burton E Swanson, and Ping Wang. 2008. "Research Directions in Information Systems: Toward an Institutional Ecology." *Journal of the Association for Information Systems* 9 (1): 1-22.

Straub, Detmar. 2009. "Why Top Journals Accept Your Paper." *MIS Quarterly* 33 (3): iii-x.

Whetten, D. A. (1989). What Constitutes a Theoretical Contribution? *Academy of Management Review*, 14(4), 490-495.

Week 3: Images of Organizations I

Gareth Morgan, Chapters TBA

Week 4: Images of Organizations II

Gareth Morgan, Chapters TBA

Week 5: IS Strategy/Business Value

Oh, Wonseok, and Alain Pinsonneault. 2007. "On the Assessment of the

Strategic Value of Information Technologies: Conceptual and Analytical Approaches.” *MIS Quarterly* 31 (2): 239-265.

Kohli, Rajiv. 2008. “Business Value of IT : An Essay on Expanding Research Directions to Keep up with the Times.” *Journal of the Association for Information Systems* 9 (1): 23-39.

Chi, Lei, T. Ravichandran, and Goce Andrevski. 2010. “Information Technology, Network Structure, and Competitive Action.” *Information Systems Research* 21 (3)

Rai, Arun, and Xinlin Tang. 2010. “Leveraging IT Capabilities and Competitive Process Capabilities for the Management of Interorganizational Relationship Portfolios.” *Information Systems Research* 21 (3) (August 6): 516-542.

Tallon, Paul, and Alain Pinsonneault. 2011. “Competing Perspectives on the Link Between Strategic Information Technology Alignment and Organizational Agility: Insights from a Mediation Model.” *MIS Quarterly* 35 (2): 463-486.

Week 6: Interlude: Qualitative Research Methods

Weiss, Learning From Strangers, Chapters TBA

Goodwin and Horowitz, 2002, Methodological Strengths and Dilemmas of Qualitative Sociology

El Sawy, Omar, Arvind Malhotra, Young-Ki Park, and Paul Pavlou. 2010. “Seeking the Configurations of Digital Ecodynamics: It Takes Three to Tango.” *Information Systems Research* 21 (4)

Xue, Yajiong, Huigang Liang, and William R Boulton. 2008. “Information Technology Governance In Information Technology Investment Decision Processes: The Impact Of Investment Characteristics, External Environment, And Internal Context.” *MIS Quarterly* 32 (1): 67-96.

More Readings TBA

Week 7: Healthcare Information Systems

Agarwal, Ritu, Guodong Gao, Catherine DesRoches, and Ashish K. Jha. 2010. “Research Commentary--The Digital Transformation of Healthcare: Current Status and the Road Ahead.” *Information Systems Research* 21 (4).

Feldman, Sue S, and Thomas A Horan. 2011. "The Dynamics of Information Collaboration : A Case Study of Blended IT Value Propositions for Health Information Exchange in Disability Determination." *Information Systems* 12 (January 2010): 189-207.

Kaganer, Evgeny, Suzanne Pawlowski, and Sonja Wiley-Patton. 2010. "Building Legitimacy for IT Innovations : The Case of Computerized Physician Order Entry Systems." *Journal of the Association for Information Systems* 11 (1): 1-33.

Rivard, Suzanne, Liette Lapointe, and Antonio Kappos. 2011. "An Organizational Culture-Based Theory of Clinical Information Systems Implementation in Hospitals." *Journal of the Association for Information Systems* 12 (January 2010): 123-162.

Setia, Pankaj, Monika Setia, Ranjani Krishnan, and Vallabh Sambamurthy. 2011. "The Effects of the Assimilation and Use of IT Applications on Financial Performance in Healthcare Organizations." *Journal of the Association for Information Systems* 12 (March 2011): 274-298.

Week 8: Security/Privacy

Culnan, Mary, and Cynthia Clark Williams. 2009. "How Ethics Can Enhance Organizational Privacy: Lessons From The Choicepoint And TJX Data Breaches." *MIS Quarterly* 33 (4): 673-687.

Johnston, Allen C, and Merrill Warkentin. 2010. "Fear Appeals and Information Security Behaviors: An Empirical Study." *MIS Quarterly* 34 (3): 549-566.

Liang, Huigang, and Yajiong Xue. 2009. "Avoidance Of Information Technology Threats: A Theoretical Perspective." *MIS Quarterly* 33 (1): 71-90.

Puhakainen, Petri, and Mikko Siponen. 2010. "Improving Employees' Compliance Through Information Systems Security Training: An Action Research Study." *MIS Quarterly* 34 (4): 757-778.

Smith, Stephen, Donald Winchester, Deborah Bunker, and Rodger Jamieson. 2010. "Circuits of Power: A Study of Mandated Compliance to an Information Systems Security De Jure Standard in a Government Organization." *MIS Quarterly* 34 (3): 463-486.

Spears, Janine L, and Henri Barki. 2010. "User Participation in Information Systems Security Risk Management." *MIS Quarterly* 34 (3): 503-522.

Week 9: Offshoring/Outsourcing

- Bapna, Ravi, Anitesh Barua, Deepa Mani, and Amit Mehra. 2010. "Cooperation, Coordination, and Governance in Multisourcing: An Agenda for Analytical and Empirical Research." *Information Systems Research* 21 (4): 785-795.
- Miranda, Shaila, and Yong-Mi Kim. 2006. "Professional Versus Political Contexts: Institutional Mitigation and the Transaction Cost Heuristic in Information Systems Outsourcing." *MIS Quarterly* 30 (3): 725-753.
- Gefen, David, and Erran Carmel. 2008. "Is The World Really Flat? A Look At Offshoring At An Online Programming Marketplace." *MIS Quarterly* 32 (2): 367-384.
- Leonardi, Paul M, and Diane E Bailey. 2008. "Transformational Technologies And The Creation Of New Work Practices: Making Implicit Knowledge Explicit In Task-Based Offshoring." *MIS Quarterly* 32 (2): 411-436.
- Levina, Natalia, and Emmanuelle Vaast. 2008. "Innovating Or Doing As Told? Status Differences And Overlapping Boundaries In Offshore Collaboration." *MIS Quarterly* 32 (2): 307-332.
- Mani, Deepa, Anitesh Barua, and Andrew Whinston. 2010. "An Empirical Analysis Of The Impact Of Information Capabilities Design On Business Process Outsourcing Performance." *MIS Quarterly* 34 (1): 39-62.

Week 10: FLOSS/ESS

- Aksulu, Altay, and Michael Wade. 2010. "A Comprehensive Review and Synthesis of Open Source Research." *Journal of the Association for Information Systems* 11 (11/12): 576-656.
- Fitzgerald, Brian. 2006. "The Transformation of Open Source Software." *MIS Quarterly* 30 (3): 587-598.
- Howcraft, Debra, and Ben Light. 2010. "The Social Shaping of Packaged Software Selection *." *Journal of the Association for Information Systems* 11 (3): 122-148.
- Robey, Daniel, Ghiyoung Im, and Jonathan D Wareham. 2008. "Theoretical Foundations of Empirical Research on Interorganizational Systems :

Assessing Past Contributions and Guiding Future Directions.” *Journal of the Association for Information Systems* 9 (9): 497-518.

Wagner, Erica L, Sue Newell, and Gabriele Piccoli. 2010. “Understanding Project Survival in an ES Environment: A Sociomaterial Practice Perspective.” *Journal of the Association for Information Systems* 11 (5): 276-297.

Week 11: Infrastructure/Platforms

Pipek, Volkmar, and Volker Wulf. 2009. “Infrastructuring: Toward an Integrated Perspective on the Design and Use of Information Technology.” *Journal of the Association for Information Systems* 10 (5): 447-473.

Tilson, D., K. Lyytinen, and C. Sorensen. 2010. “Digital Infrastructures: The Missing IS Research Agenda.” *Information Systems Research* 21 (4): 748-759.

Tiwana, Amrit, Benn Konsynski, and Ashley A Bush. 2010. “Platform Evolution: Coevolution of Platform Architecture, Governance, and Environmental Dynamics.” *Information Systems Research* 21 (4): 675-687.

Ribes, David, and Thomas A Finholt. 2009. “The Long Now of Technology Infrastructure: Articulating Tensions in Development.” *Journal of the Association for Information Systems* 10 (5): 375-398.

Ure, Jenny, Rob Procter, Yu-wei Lin, Stuart Anderson, Joanna Wardlaw, and Horacio Gonzalez-velez. 2009. “The Development of Data Infrastructures for eHealth : A Socio-Technical Perspective.” *Journal of the Association for Information Systems* 10 (5): 415-429.

Week 12: Topic to be chosen and designed by Student

Week 13: Topic to be chosen and designed by Student

Week 14: Topic to be chosen and designed by Student