

Baruch College, Zicklin School of Business
Ph.D. in Information Systems

CIS 86000 – INFORMATION SYSTEMS RESEARCH SEMINAR

Fall 2024

Thursday 12pm-2pm

Prof. Adel Yazdanmehr

Email: adel.yazdanmehr@baruch.cuny.edu

The class will be held in hybrid mode (some sessions in-person, some online). On weeks when we have class online, the Zoom link for the class is available on Blackboard.

This research seminar introduces students to various areas of research in the Information Systems field. For each area, students are expected to read, discuss, and present several papers, ranging from seminal studies to current ones. All students are expected to come to class ready to discuss all the papers critically. Some examples of what all students in the class should be ready to discuss at all times include:

Motivation of the Study:

- What is the motivation behind the study? Consider why the research was conducted in the first place. Is there a real-world problem that this study aims to solve? Explain the importance of the problem in a way that someone without a research background could understand. For example, think of whether studying this topic is as crucial as investigating how to improve existing technologies (like round wheels) rather than something impractical (like triangle wheels).

Justification:

- Is the motivation for the study justified? Does it address a significant gap in the literature or solve a pressing issue? Discuss whether the study is worth conducting, similar to assessing whether the focus is on a relevant and impactful problem in the field of Information Systems.

Theoretical Foundation:

- What is the main theoretical basis for the study? Evaluate whether the chosen theory is appropriate for the research questions. If it isn't, suggest an alternative theory that might be better suited and explain why.

Research Design:

- Describe the research design. Identify any limitations within the design. Do you have alternative suggestions that could better address the research questions? Consider how the research might be more effectively conducted to yield meaningful results.

Data Analysis:

- Is the data analysis appropriate? Scrutinize the methods used to analyze the data. Are there any statistical issues or areas for improvement? Consider whether the analysis supports the conclusions drawn from the study.

Theoretical Contributions:

- What are the main theoretical contributions of the study? Discuss whether these contributions are significant enough to advance the field of Information Systems. Are

there any additional contributions that the study might offer but were not explicitly mentioned?

WEEKLY ASSIGNMENTS:

In addition to having read all the papers for the week and be ready to discuss them, students will also be given individual weekly assignments:

- Each week, two students will be assigned one paper to present to the class. The student is responsible for preparing and presenting a very quick summary of the paper and a more thorough critical review of it. The student should present a list of questions, comments, suggestions, and criticisms that will help lead the discussion of the paper. The presentation should be a maximum of 30 minutes (10-15 slides).
- In addition, each student will be assigned one or two papers each week. For each paper, they will prepare two-page (double-spaced) report where they will briefly answer the following questions:
 - o What do you think was the motivation and introduction (motivation justification) of the paper? Briefly discuss.
 - o What do you think was the main theoretical contribution of the paper? Briefly discuss.
 - o Describe one thing in the paper/study that you thought was interesting/intriguing/different and explain why you thought so.
 - o Provide one suggestion of how another researcher (such as yourself) could create a new research study based on one or more of the contributions of the paper.
 - o What did you not understand from the paper? List any major questions you may have, and we'll try to answer them in class.
- Students should upload their two-page reports on Brightspace and email them to everyone in the class at least 48 hours before the next class session. We will use them as starting points for our discussion.

FINAL PAPER

In addition to the weekly assignments, students are also required to write a full research paper proposal. The proposal must describe a study that is unique and thoroughly described. It should basically include everything that a final, publishable paper will include (introduction, theoretical discussion, full literature review, complete study design and methodology, expected data analysis method, potential theoretical contributions, and so on). Only the actual data analysis and discussion of actual results should be missing from the paper. Students should be able to complete the research after the completion of the class.

The topic of the final paper must be approved by me in advance.

Students will present the paper in class on the last session of the semester and will then respond to questions from the rest of the class. They will use the questions and comments to improve the final paper. The final version of the paper will be due to me by email **by December 12th at midnight**. Late submissions will not be accepted.

GRADE

Weekly assignments: 30%

Final paper: 50%
 Class participation: 20%

PRESENTATION SCHEDULE

(PhD Student 1) Naseem	(PhD Student 2) Wenxuan	(PhD Student 3) Ameya	(PhD Student 4) Brandon
September 12 th	September 19 th	September 19 th	September 12 th
September 26 th	October 10 th	October 10 th	September 26 th
October 17 th	October 24 th	October 17 th	October 24 th
October 31 st	November 7 th	October 31 st	November 7 th
November 14 th	November 14 th	November 21 st	November 21 st
December 5 th	December 5 th	December 5 th	December 5 th

COURSE OUTLINE

(Articles with an asterisk will be presented in class by the student assigned to them)

August 29th: Syllabus & Introduction

September 5th:

Readings:

Barley, Stephen R. “When I Write My Masterpiece: Thoughts on What Makes a Paper Interesting,” *Academy of Management Journal*, 2006, 49 (1), pp. 16-20

Starbuck, William H., “Why I Stopped Trying to Understand the Real World,” *Organization Studies*, 2004, 25 (7), pp. 1233-1254

Optional:

“That’s Interesting! Towards a Phenomenology of Sociology and a Sociology of Phenomenology”, Murray S. Davis, *Philosophy of the Social Sciences*, 1971 vol.1, pp.309-344

September 12th: The IS discipline – Publishing your research

Readings:

* Orlikowski, W. J. and Iacono, C. S. (2001) “Research Commentary: Desperately Seeking the ‘IT’ in IT Research – A Call to Theorizing the IT Artifact,” *Information Systems Research*, 12:2, pp. 121-134 (PhD Student 1)

Dennis, A. R. and J. S. Valacich. “Conducting Research in Information Systems,” July 2001, *Communications of the AIS*, Vol. 7, No. 5 (PhD Student 2)

Grover, Varun and Lyytinen, Kalle. 2015. "New State of Play in Information Systems Research: The Push to the Edges," *MIS Quarterly*, (39: 2) pp.271-296 (PhD Student 3)

* Watson, Richard T. (2014) "A Personal Perspective on a Conceptual Foundation for Information Systems," *Journal of the Association for Information Systems*: Vol. 15: Iss. 8, Article 1. (PhD Student 4)

September 19th: Cybersecurity #1

Readings:

Turel, Ofir, Qinghua He, and Yatong Wen. "Examining the neural basis of information security policy violations: a noninvasive brain stimulation approach." *MIS quarterly* 45.4 (2021): 1715-44. **(PhD Student 1)**

* Cram, W. Alec, John D'arcy, and Jeffrey G. Proudfoot. "Seeing the forest and the trees: a meta-analysis of the antecedents to information security policy compliance." *MIS Quarterly* 43.2 (2019): 525-554. **(PhD Student 2)**

* Vance, A., Eargle, D., Eggett, D., Straub, D., & Ouimet, K. (2022). Do security fear appeals work when they interrupt tasks? A multi-method examination of password strength. **(PhD Student 3)**

Yazdanmehr, Adel, and Jingguo Wang. "Can peers help reduce violations of information security policies? The role of peer monitoring." *European Journal of Information Systems* 32.3 (2023): 508-528. **(PhD Student 4)**

September 26th : Cybersecurity #2

Readings:

* Cram, W. Alec, John D'Arcy, and Alexander Benlian. "Time Will Tell: The Case For An Idiographic Approach To Behavioral Cybersecurity Research." *MIS Quarterly* 48.1 (2024).

Weixun Li, Wilson, Alvin Chung Man Leung, and Wei Thoo Yue. "Where Is It in Information Security? The Interrelationship Among IT Investment, Security Awareness, And Data Breaches." *MIS Quarterly* 47.1 (2023). **(PhD Student 1)**

Hoehle, Hartmut, et al. "Impact of Customer Compensation Strategies on Outcomes and The Mediating Role Of Justice Perceptions: A Longitudinal Study Of Target's Data Breach." *MIS Quarterly* 46.1 (2022). **(PhD Student 3)**

* Wright, Ryan T., Steven L. Johnson, and Brent Kitchens. "Phishing Susceptibility in Context: A Multilevel Information Processing Perspective on Deception Detection." *MIS Quarterly* 47.2 (2023). **(PhD Student 4)**

October 3rd : No classes scheduled

October 10th : FinTech

Readings:

Burtch, Gordon, and Jason Chan. "Investigating the relationship between medical crowdfunding and personal bankruptcy in the United States: Evidence of a digital divide." *MIS Quarterly* (2018). **(PhD Student 1)**

* Gao, Qiang, Mingfeng Lin, and D. J. Wu. "Education crowdfunding and student performance: An empirical study." *Information Systems Research* 32.1 (2021): 53-71. **(PhD Student 2)**

* Hendershott, Terrence, et al. "FinTech as a game changer: Overview of research frontiers." *Information Systems Research* 32.1 (2021): 1-17. **(PhD Student 3)**

Lin, Mingfeng, Nagpurnanand R. Prabhala, and Siva Viswanathan. "Judging borrowers by the company they keep: Friendship networks and information asymmetry in online peer-to-peer lending." *Management science* 59.1 (2013): 17-35. **(PhD Student 4)**

Optional:

Burtch, Gordon, Anindya Ghose, and Sunil Wattal. "An empirical examination of the antecedents and consequences of contribution patterns in crowd-funded markets." *Information Systems Research* 24.3 (2013): 499-519.

Kim, Keongtae, and Siva Viswanathan. "The 'Experts' in the crowd: The role of experienced investors in a crowdfunding market." *MIS Quarterly* (2018).

October 17th: Online Labor Market

Readings:

* Hong, Yili, et al. "Just DM me (politely): Direct messaging, politeness, and hiring outcomes in online labor markets." *Information Systems Research* 32.3 (2021): 786-800. **(PhD Student 1)**

Hong, Yili, Chong Wang, and Paul A. Pavlou. "Comparing open and sealed bid auctions: Evidence from online labor markets." *Information Systems Research* 27.1 (2016): 49-69. **(PhD Student 2)**

* Kokkodis, Marios. "Dynamic, multidimensional, and skillset-specific reputation systems for online work." *Information Systems Research* 32.3 (2021): 688-712. **(PhD Student 3)**

Lin, Mingfeng, Yong Liu, and Siva Viswanathan. "Effectiveness of reputation in contracting for customized production: Evidence from online labor markets." *Management Science* 64.1 (2018): 345-359. **(PhD Student 4)**

October 24th: Sharing Economy

Readings:

Zhang, Shunyu, et al. "What makes a good image? Airbnb demand analytics leveraging interpretable image features." *Management Science* 68.8 (2022): 5644-5666. **(PhD Student 1)**

* Dewan, Sanjeev, Jooho Kim, and Tingting Nian. "Economic Impacts of Platform-Endorsed Quality Certification: Evidence from Airbnb." *MIS Quarterly* 47.3 (2023): 1353-1368. **(PhD Student 2)**

Babar, Yash, and Gordon Burtch. "Examining the heterogeneous impact of ride-hailing services on public transit use." *Information Systems Research* 31.3 (2020): 820-834. **(PhD Student 3)**

* Mousavi, Reza, and Kexin Zhao. "Examining the Impacts of Airbnb Review Policy Change on Listing Reviews." *Journal of the Association for Information Systems* 23.1 (2022): 303-328. **(PhD Student 4)**

October 31st : Social Media (Impact on Users and Society)

Readings:

* Wang, S.A., Pang, M.S. and Pavlou, P.A. "Seeing Is Believing? How Including a Video in Fake News Influences User Reporting of the Fake News to Social Media Platforms." *MIS Quarterly* (2022) **(PhD Student 1)**

Luca, M., & Zervas, G. (2016). Fake it till you make it: Reputation, competition, and Yelp review fraud. *Management Science*, 62(12), pp. 3393-3672 **(PhD Student 2)**

* Basak, Ecem (Forthcoming) "The Role of Online and Geographically Distant Social Networks in Political Decision Making: An Empirical Evidence from the 2016 United States Elections," *Journal of Association Information Systems* **(PhD Student 3)**

Cheng, Xiaoye, Hillol Bala, and Mochen Yang. "Engaging Users On Social Media Business Pages: The Roles Of User Comments And Firm Responses." *MIS Quarterly* 48.2 (2024). **(PhD Student 4)**

November 7th : Social Media (Impact on Firms)

Readings:

Gunarathne, P., Rui, H., & Seidmann, A. (2018). When social media delivers customer service: Differential customer treatment in the airline industry. *MIS quarterly*, 42(2), 489-520. **(PhD Student 1)**

* Safadi, Hani. "Balancing Affordances and Constraints: Designing Enterprise Social Media For Organizational Knowledge Work." *MIS Quarterly* 48.1 (2024). **(PhD Student 2)**

Kumar, N., Qiu, L., & Kumar, S. (2018). Exit, voice, and response on digital platforms: An empirical investigation of online management response strategies. *Information Systems Research*, 29(4), 849-870. **(PhD Student 3)**

* Al Balawi, R., Hu, Y., & Qiu, L. (2023). Brand crisis and customer relationship management on social media: Evidence from a natural experiment from the airline industry. *Information Systems Research*, 34(2), 442-462. **(PhD Student 4)**

November 14th: Healthcare IT

Readings:

* Khurana, Sandeep, Liangfei Qiu, and Subodha Kumar. "When a doctor knows, it shows: An empirical analysis of doctors' responses in a Q&A forum of an online healthcare portal." *Information Systems Research* 30, no. 3 (2019): 872-891. **(PhD Student 1)**

* Huang, Kuang-Yuan, Indushobha Chengalur-Smith, and Alain Pinsonneault. "Sharing is caring: Social support provision and companionship activities in healthcare virtual support communities." *MIS quarterly* 43.2 (2019): 395-424. **(PhD Student 2)**

Greenwood, Brad N., and Ritu Agarwal. "Matching platforms and HIV incidence: An empirical investigation of race, gender, and socioeconomic status." *Management Science* 62, no. 8 (2016): 2281-2303. **(PhD Student 3)**

Eftekhari, Saeede, et al. "Impact of health information exchange adoption on referral patterns." *Management Science* 69.3 (2023): 1615-1638. **(PhD Student 4)**

November 21st : IT and Organization

Readings:

Sabherwal, Rajiv; Sabherwal, Sanjiv; and Havakhor, Taha. 2019. "How Does Strategic Alignment Affect Firm Performance? The Roles of Information Technology and Environmental Uncertainty," *MIS Quarterly*, (43: 2) pp.453-474. **(PhD Student 2)**

Sabherwal, Rajiv and Yolande E. Chan. "Alignment Between Business and IS Strategies: A Study of Prospectors, Analyzers, and Defenders." *Information Systems Research*, 12 (1), March 2001, 11-33

* Cao, C., Ray, G., Subramani, M., & Gupta, A. (2022). Enterprise Systems and the Likelihood of Horizontal, Vertical and Conglomerate Mergers and Acquisitions. *MIS Quarterly*, 46(2). **(PhD Student 3)**

* Cao, C., Ray, G., Subramani, M., & Gupta, A. (2022). Enterprise Systems and M&A Outcomes for Acquirers and Targets. *MIS Quarterly*, 46(3), 1295-1322. **(PhD Student 4)**

November 28th : College Closed – No classes scheduled

December 5th : Dark Side of IT

Readings:

* Califf, Christopher B., Saonee Sarker, and Suprateek Sarker. "The bright and dark sides of technostress: A mixed-methods study involving healthcare IT." *MIS quarterly* 44.2 (2020). **(PhD Student 1)**

* Vaghefi, I., Negoita, B., & Lapointe, L. (2023). The Path to Hedonic Information System Use Addiction: A Process Model in the Context of Social Networking Sites. *Information Systems Research*, 34(1), 85-110. **(PhD Student 2)**

* Turel, O. (2021). Technology-Mediated Dangerous Behaviors as Foraging for Social–Hedonic Rewards: The Role of Implied Inequality. *MIS Quarterly*, 45(3), 1249-1286. **(PhD Student 3)**

* Pirkkalainen, H., Salo, M., Tarafdar, M., & Makkonen, M. (2019). Deliberate or Instinctive? Proactive and Reactive Coping for Technostress. *Journal of Management Information Systems*, 36(4), 1179-1212. **(PhD Student 4)**

Optional:

Yazdanmehr, Adel, Yuan Li, and Jingguo Wang. "Employee responses to information security related stress: Coping and violation intention." *Information Systems Journal* (2023).

Yazdanmehr, Adel, Yuan Li, and Jingguo Wang. "Does stress reduce violation intention? Insights from eustress and distress processes on employee reaction to information security policies." *European Journal of Information Systems* (2022): 1-19.

Gerlach, J., & Cenfetelli, R. T. (2020). Constant Checking Is Not Addiction: A Grounded Theory of IT-Mediated State-Tracking. *MIS Quarterly*, 44(4), 1705-1732.

