SCHOOL OF ECONOMICS AND MANAGEMENT

LUND UNIVERSITY

Department of Informatics

Literature for EIN001F Research in Information Systems and Informatics
Applies from autumn semester 2020

Established by The Board of the Department of Informatics on 2020-09-09.

Course theme I: Towards an understanding of information systems (IS) research

Akhlaghpour, S., Wu, J., Lapointe, L., & Pinsonnealut, A. (2013). The ongoing quest for the IT artifact: Looking back, moving forward. *Journal of Information Technology*, 28(2), 150-166.

Alter, S. (2013): Work system theory: overview of core concepts, extensions, and challenges for the future. *Journal of the Association for Information Systems*, 72.

Avison, D. & Elliot, S. (2006). Scoping the Discipline of Information Systems in J.L. King (ed.) *Information Systems: The State of the Field.* Wiley and Sons, Hoboken NJ, pp 3-18.

Baskerville, R. L., & Myers, M. D. (2002). Information systems as a reference discipline. *MIS Quarterly*, 26(1), 1-14.

Benbasat, I., & Zmud, R. W. (2003): The identity crisis within the IS discipline: defining and communicating the discipline's core properties, *MIS Quarterly*, 27(2), 183-194.

Burton-Jones, A., Recker, J., Indulska, M., Green, P. F., & Weber, R. (2017). Assessing Representation Theory with a Framework for Pursuing Success and Failure. *MIS Quarterly*, 41(4), 1307-1333.

Eriksson, O., Johannesson, P., & Bergholtz, M. (2018). Institutional ontology for conceptual modeling. *Journal of Information Technology*, 33(2), 105-123.

Glass, R., Ramesh, V., & Vessey, I. (2004). An analysis of research in computing disciplines, Communications of the ACM, 47(6), 89-94.

Hirschheim, R., & Klein, H. K. (2012). A Glorious and Not-So-Short History of the Information Systems Field. *Journal of the Association for Information Systems*, 13(4), 188.

Järvinen, P. (2000). Research questions guiding selection of an appropriate research

method. *Proceedings of the 8th European Conference on Information Systems*, 124-131.

Keen, P. G. W. (1980): MIS research: reference disciplines and a cumulative tradition. *Proceedings of the First International Conference on Information Systems*, 9-18.

Mumford, E. (2006): The Story of Socio-Technical Design: Reflections on its successes, failures and potential. *Information Systems Journal*, 16, 317–342

Orlikowski, W. J., & Barley, S. R. (2001). Technology and institutions: what can research on Information Technology and research on organizations learn from each other, *MIS Quarterly,* 25(2), 145-165.

Orlikowski, W. J., & 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), 121-134.

Rowe, F. (2014). What literature review is not: diversity, boundaries and recommendations. European Journal of Information Systems, 23(3), 241-255.

Walstrom, K. A., & Leonard, L. N. K. (2000). Citation classics from the information systems literature, *Information & Management*, 38, 59-72.

Webster, J., & Watson, R. T. (2002). Analyzing the past to prepare for the future: Writing a literature review. *MIS Quarterly*, 26(2), xiii-xxiii.

Whitley, E. A. & Galliers, R. D. (2007). An alternative perspective on citation classics: Evidence from the first 10 years of the European Conference on Information Systems, *Information & Management*, 44, 441-455.

Course theme II: Use of theories, theory building and theory testing in IS research

Subtheme I: Use of theories in IS research

Bernardi, R. (2017). Health information systems and accountability in Kenya: A structuration theory perspective. *Journal of Association for Information Systems*, 18(12), 931-957.

DeSanctis, G., & Poole, M. S. (1994). Capturing the complexity in advanced technology use: Adaptive structuration theory. *Organization Science*, 5(2), 121-147.

Doolin, B., & Lowe, A. (2002). To reveal is to critique: actor–network theory and critical information systems research. *Journal of Information Technology*, 17(2), 69-78.

Doolin, B., & McLeod, L. (2012). Sociomateriality and boundary objects in information systems development. *European Journal of Information Systems*, 21, 570-586.

Ghasemaghaei, M., Hassein, K., & Benbasat, I. (2019). Assessing the design choices for online recommendation agents for older adults: Older does not always mean simpler information technology. *MIS Quarterly*, 43(1), 329-346.

Gleasure, R., O'Reilly, P., & Cahalane, M. (2017). Inclusive technologies, selective traditions: a socio-material case study of crowdfunded book publishing. *Journal of Information Technology*, 32(4), 326-343.

James, T. L., Wallace, L., & Deane, J. K. (2019). Using organismic integration theory to explore the association between users' exercise motivations and fitness technology feature set use. *MIS Quarterly*, 43(1), 287-312.

Jones, M. R., & Karsten, H. (2008). Giddens' structuration theory and information systems research. *MIS Quarterly*, 32(1), 127-157.

Latour, B. (1996). On actor-network theory: A few clarifications. *Soziale Welt*, 369-381.

Latour, B. (2011). Network theory networks, societies, spheres: Reflections of an actor-network theorist. *International Journal of Communication*, 5(15), 796-810.

Leonardi, P. M., & Barley, S. R. (2008). Materiality and change: Challenges to building better theory about technology and organizing. *Information and Organization*, 18, 159-176.

Orlikowski, W. J. (1992). The duality of technology: Rethinking the concept of technology in organizations. *Organization Science,* 3(3), 398-427.

Orlikowski, W. J., & Scott, S. V. (2008). Sociomateriality, challenging the separation of technology, work and organization. *The Academy of Management Annals*, 2(1), 433-474.

Seergeva, A., Huysman, M., Soekijad, M., & van den Hoff, B. (2019). Through the eyes of others: How onlookers shape the use of technology at work. *MIS Quarterly*, 41(4), 1153-1178.

Thapa, D., Budhathoki, N., & Munkvold, B. E. (2017). Analyzing Crisis Response through Actor-network Theory: The Case of Kathmandu Living Labs. *Communications of the AIS*, 41, 19.

Venkatesh, V., & Davis, F. D. (2000). A theoretical extension of the technology acceptance model: Four longitudinal field studies. *Management Science*, 46(2), 186-204.

Venkatesh, V., Morris, M. G., Davis, G. B., & Davis, F. D. (2003). User acceptance of information technology: Toward a unified view. *MIS Quarterly*, 27(3), 426-478.

Venkatesh, V., Thong, J. Y. L., & Xu, X. (2012). Consumer acceptance and use of information technology: Extending the unified theory of acceptance and use of technology. *MIS Quarterly*, 36(1), 157-178.

Wagner, E. L., Newell, S., Ramiller, N., & Enders, J. (2018). From public ideology to socio-material reproduction of agile principles: The case of pivotal labs. *Information and Organization*, 28(4), 192-210.

Walsham, G. (1997). Actor-network theory and IS research: current status and future prospects. In *Information systems and qualitative research*, pp. 466-480. Springer, Boston, MA.

Subtheme II: Theory testing and theory building in information systems research

Avison, D., & Malaurent, J. (2014). Is theory king? Questioning the theory fetish in information systems. *Journal of Information Technology*, 29(4), 327-336.

Burton-Jones, A., McLean, E. R., & Monod, E. (2015). Theoretical perspectives in IS research: from variance and process to conceptual latitude and conceptual fit. *European Journal of Information Systems*, 24(6), 664-679.

Davison, R. M., Martinsons, M. J. & Ou, C. X. I. (2012): The Roles of Theory in Canonical Action Research. *MIS Quarterly*, 36(3), 763–786.

Gregor, S. (2006): The nature of theory in Information Systems, *MIS Quarterly*, 30(3), 611-642.

Gregor, S., & Hevner, A. R. (2013). Positioning and presenting design science research for maximum impact. *MIS Quarterly*, 37(2), 337-355.

Hannay, J. E., Sjoberg, D. I. & Dyba, T. (2007). A Systematic Review of Theory Use in Software Engineering Experiments, *IEEE transactions on Software Engineering*, vol. 33, no. 2, pp 87-107.

Markus, M. L., & Rowe, F. (2018). Is IT changing the world? Conceptions of causality for information systems theorizing. *MIS Quarterly*, 42(4), 1255-1280.

Rowe, F., & Markus, M. L. (2018) Taking on sacred cows: openness, fair critique, and retaining value when revising classics. *European Journal of Information Systems*, 27(6), 623-628.

Subtheme III: Rigour and relevance

Applegate, L. M., & King, J. L. (1999): Rigor and relevance: Careers on the line. *MIS Quarterly,* 23(1), 17-18.

Benbasat, I., & Zmud, R. W. (1999): Empirical research in information systems: The practice of relevance. *MIS Quarterly*, 23(1), 3-16.

Davenport, T. H., & Markus, M. L. (1999): Rigor vs. relevance revisited: Response to Benbasat and Zmud. *MIS Quarterly*, 23(1), 19-23.

Desouza, K. C., El Sawy, O. A., Galliers, R. D., Loebbecke, C., & Watson, R. T. (2006). Beyond rigor and relevance towards responsibility and reverberation: IS research that reallymatters. *Communications of the AIS*, 17, 341-353.

Robey, D., & Markus, M. L. (1998). Beyond rigor and relevance: producing consumable research about information systems. *Information Resources Management Journal*, 11(1), 7-15.

Senn, J. (1998): The challenge of relating IS research to practice. *Information ResourcesManagement Journal*, 11(1), 23-28.

Course theme III: Research approaches and pluralism and diversity in IS research

Subtheme I: Qualitative approaches, methodologies, and methods

Dubin, R. (1983). Theory building in applied areas. In Dunnette, M. (ed.): *Handbook of Industrial and Organizational Psychology*, John Wiley & Sons, New York, 17-39.

Dyer, W. G., & Wilkins, A. L. (1991): Better stories, not better constructs, to generate better theory: a rejoinder to Eisenhardt. *Academy of Management Review*, 16(3), 613-619.

Eisenhardt, K. M. (1989): Building theories from case study research. *Academy of Management Review*, 14(4), 532-550.

Eisenhardt, K. M. (1991): Better stories and better constructs: the case for rigor and comparative logic. *Academy of Management Review*, 16(3), 620-627.

Klein, H. K., & Myers, M. D. (1999): A set of principles for conducting and evaluating interpretative field studies in Information Systems, *MIS Quarterly*, 23(1), 67-94.

Lee, A. (1999). Rigor and relevance in MIS research: Beyond the approach of positivism alone. *MIS Quarterly*, 23(1), 29-33.

Lee, A. & Baskerville, R. (2001): Generalizing generalizability in information systems research, *Information Systems Research*, 14(3), 221-243.

Markus, M. L. (1983). Power, politics, and MIS implementation. *Communications of the ACM*, 26(6), 430-444.

Markus, M. L. (1989). Case selection in a disconfirmatory case study. In Cash, J. I., & Lawrence, P. R. (eds.): *The information systems research challenge: qualitative research methods,* Harvard Business School Research Colloquium, Harvard Business School, Boston, MA, 20-26.

Sutton, R. I., & Staw, B. M. (1995): What theory is not. *Administrative Science Quarterly*, 40, 371-384.

Walsham, G. (2006): Doing Interpretive Research. *European Journal of Information Systems,* 15(3), 320-330.

Weick, K. E. (1995): What theory is not, theorizing is. *Administrative Science Quarterly*, 40, 385-390.

Yin, R. K. (1989). Research design issues in using the case study method to study Management Information Systems. In Cash, J. I., & Lawrence, P. R. (eds.): *The information systems research challenge: qualitative research methods*, Harvard Business School Research Colloquium, Harvard Business School, Boston, MA, 1-6.

Subtheme II: Selecting and combining different approaches, methodologies, and methods

Galliers, R. D. (1991): Choosing appropriate information systems research approaches: a revised taxonomy. In Nissen, H. E., Klein, H. K. & Hirschheim, R. (eds.): *Information Systems Research: Contemporary Approaches and Emergent Traditions,* North-Holland,

Amsterdam, 327-345.

Järvinen, P. (2008) Mapping Research Questions to Research Methods. In IFIP International Federation for Information Processing, Volume 274; *Advances in Information Systems Research, Education and Practice.* Avison, D., Kasper, G. M., Pernici, B., Ramos, I., Roode, D. (Boston: Springer), pp. 29–41.

Kaplan, B., Farzanfar, R., & Friedman, R. H. (2003): Personal relationships with an intelligent interactive telephone health behavior advisor system: a multimethod study using surveys and ethnographic interviews. *International Journal of Medical Informatics*, 71, 33-41.

Newell, S. & Galliers, R. D. (2000). More than a footnote: the perils of multidisciplinary research collaboration. *Proceedings of AMCIS*, Vol. III, 1738-1742.

Palvia, P., Midha, V., & Pinjani, P. (2006): Research models in Information Systems, *Communications of the AIS*, (17), 1042-1063.

Trauth, E. M., & Jessup, L. M. (2000): Understanding computer-mediated discussions: positivist and interpretive analyses of group support system use. *MIS Quarterly*, 24(1), 43-79.

Venkatesh, V., Brown, S. A., & Bala, H. (2013). Bridging the qualitative-quantitative divide: Guidelines for conducting mixed methods research in information systems. *MIS Quarterly,* 37(1), pp. 21–54.

Ågerfalk, P. J. (2013) Embracing diversity through mixed methods research. *European Journal of Information Systems,* (22), 251–256.

Subtheme III: Social science and engaged scholarship

Davison, R. M., Martinsons, M. G., & Ou, C. X. J. (2012): The Roles of Theory in Canonical Action Research. *MIS Quarterly*, 36(3), 763–786

Gregor, S., & Hevner, A. R. (2013). Positioning and presenting design science research for maximum impact. *MIS Quarterly*, 37(2), 337-355.

Hevner, A. R., March, S. T., Park, J., & Ram, S. (2004): Design Science in Information Systems Research. *MIS Quarterly*, 28(1), 75-105.

Iivari, J. (2007). A paradigmatic analysis of information systems as a design science. *Scandinavian Journal of Information Systems*, 19(2), 5.

Lyytinen, K. (1999). Empirical research in Information Systems: On the relevance of practice in thinking of IS research. *MIS Quarterly*, 23(1), 25-28.

Mathiassen, L. (2002): Collaborative practice research. *Information Technology & People,* 15(4), 321-345.

McKelvey, B. (2006). Van De Ven and Johnson's "engaged scholarship": Nice try, but… *Academy of Management Review*, 31(4), 822-829.

Sein, M., Henfridsson, O., Purao, S., Rossi, M., & Lindgren, R. (2011). Action Design Research. *MIS Quarterly*, 35(1), 37-56.

Van Aken (2004): Management Research Based on the Paradigm of Design Sciences: The Quest for Field-Tested and Grounded Technological Rules. *Journal of Management Studies*, 41(2), 219-246.

Van de Ven, A. H., & Johnson, P. E. (2006). Knowledge for theory and practice. *Academy of Management Review*, 31(4), 802-821.