

Department of Informatics

Literature for EIN003F Emerging Topics in Information Systems

Applies from autumn semester 2024

Established by the Head of Department on delegation from the Board of the Department of Informatics on 2024-06-14.

Topics	Articles
Next Gen and New theories in IS (Session 1)	<p>Burton-Jones, Andrew; Butler, Brian S.; Scott, Susan; and Xu, Sean Xin. 2021. "Next-Generation Information Systems Theorizing: A Call to Action," <i>MIS Quarterly</i>, 45(1) pp. 301-314.</p> <p>Baird, A., & Maruping, L. M. (2021). The Next Generation of Research on IS Use: A Theoretical Framework of Delegation to and from Agentic IS Artifacts. <i>MIS Quarterly</i>, 45(1), pp. 315-341.</p> <p>Fisher, G., Mayer, K., & Morris, S. (2021). From the editors—Phenomenon-based theorizing. <i>Academy of Management Review</i>, 46(4), 631-639.</p> <p>Mousavi Baygi, R., Introna, L. D., & Hultin, L. (2021). Everything Flows: Studying Continuous Sociotechnological Transformation in a Fluid and Dynamic Digital World. <i>MIS Quarterly</i>, 45(1), pp. 423-452.</p> <p>Nkomo, S. M., Bell, M. P., Roberts, L. M., Joshi, A., & Thatcher, S. M. (2019). Diversity at a critical juncture: New theories for a complex phenomenon. <i>Academy of Management Review</i>, 44(3), pp. 498-517.</p>
The Use and Application of Mixed-Methods in IS (Session 2)	<p>Ågerfalk, P. J. (2013). Embracing diversity through mixed methods research. <i>European Journal of Information Systems</i>, 22(3), pp. 251-256.</p> <p>Venkatesh, V., Brown, Sue A, and Sullivan, Yulia W. (2016) "Guidelines for Conducting Mixed-methods Research: An Extension and Illustration," <i>Journal of the Association for Information Systems</i>, 17(7).</p> <p>Sahaym, A., Vithaytil, J., Sarker, S., Sarker, S., and Bjorn-Andersen, N., Value Destruction in Technology Alliances: An Economic Game Theoretic Perspective in Combination with Evidence from a Revelatory Case Study," <i>Information Systems Research</i>, Forthcoming.</p>

	<p>Berente, N., Seidel, S., & Safadi, H. (2019). Research commentary—data-driven computationally intensive theory development. <i>Information Systems Research</i>, 30(1), pp. 50-64.</p> <p>Mithas, S., Xue, Ling, Huang, N., and Burton-Jones, A. (2022). Causality Meets Diversity in Information Systems Research. <i>MIS Quarterly</i>, 46(3), pp. i-xvii.</p>
<p>Digital Innovation and Transformation (Session 3)</p>	<p>Yoo, Y., Henfridsson, O., & Lyytinen, K. (2010). Research commentary—the new organizing logic of digital innovation: an agenda for information systems research. <i>Information systems research</i>, 21(4), pp. 724-735.</p> <p>Gregory, R. W., Keil, M., Muntermann, J., & Mähring, M. (2015). Paradoxes and the nature of ambidexterity in IT transformation programs. <i>Information Systems Research</i>, 26(1), pp. 57-80.</p> <p>Vial, G. (2019). Understanding digital transformation: A review and a research agenda. <i>The Journal of Strategic Information Systems</i>, 28(2), pp. 118-144</p> <p>Zorina, A., Bélanger, F., Kumar, N., & Clegg, S. (2021). Watchers, Watched, and Watching in the Digital Age: Reconceptualization of Information Technology Monitoring as Complex Action Nets. <i>Organization Science</i>, 32(6), pp. 1571-1596.</p> <p>Gupta, P., Kim, Y. J., Glikson, E., & Williams Woolley, A. (2024). Using Digital Nudges to Enhance Collective Intelligence In Online Collaboration: Insights From Unexpected Outcomes. <i>MIS Quarterly</i>, 48(1).</p> <p>Halaburda, H., Levina, N., & Semi, M. (2024). Digitization of transaction terms as a shift parameter within TCE: strong smart contract as a new mode of transaction governance. <i>MISQ</i>, <i>Forthcoming</i>.</p>
<p>Platformization (Session 4)</p>	<p>Constantinides, P., Henfridsson, O., & Parker, G. G. (2018). Introduction—platforms and infrastructures in the digital age. <i>Information Systems Research</i>, 29(2), pp. 381-400.</p> <p>De Reuver, M., Sørensen, C., & Basole, R. C. (2018). The digital platform: a research agenda. <i>Journal of Information Technology</i>, 33(2), pp. 124-135.</p> <p>Hukal, P., Henfridsson, O., Shaikh, M., & Parker, G. (2020). Platform Signaling for Generating Platform Content. <i>MIS Quarterly</i>, 44(3), pp. 1177-1205.</p> <p>Möhlmann, M., Zalmanson, L., Henfridsson, O., & Gregory, R. W. (2021). Algorithmic Management of Work on Online Labor Platforms: When Matching Meets Control. <i>MIS Quarterly</i>, 45(4) pp. 1999-2022.</p>

	<p>Clough, D. R., & Wu, A. (2020). Artificial intelligence, data-driven learning, and the decentralized structure of platform ecosystems. <i>Academy of Management Review</i>, (ja).</p> <p>Jha, S. K., Pinsonneault, A., & Dubé, L. (2016). The evolution of an ICT platform-enabled ecosystem for poverty alleviation. <i>MIS Quarterly</i>, 40(2), pp. 431-446.</p>
<p>Artificial Intelligence (Session 5)</p>	<p>Rai, A., Constantinides, P., and Sarker, S. (2019). Next-Generation Digital Platforms: Toward Human-AI Hybrids. <i>MIS Quarterly</i>, 43(1), pp. iii-ix.</p> <p>Raisch, S., & Krakowski, S. (2021). Artificial intelligence and management: The automation–augmentation paradox. <i>Academy of Management Review</i>, 46(1), pp. 192-210.</p> <p>Teodorescu, M. H., Morse, L., Awwad, Y., & Kane, G. C. (2021). Failures of Fairness in Automation Require a Deeper Understanding of Human-ML Augmentation. <i>MIS quarterly</i>, 45(3).</p> <p>Lebovitz, S., Levina, N., & Lifshitz-Assaf, H. (2021). Is AI ground truth really “true”? The dangers of training and evaluating AI tools based on experts’ know-what. <i>MIS Quarterly</i>, 45(3), pp. 1501-1525.</p> <p>Abdel-Karim, B. M., Pfeuffer, N., Carl, K. V., & Hinz, O. (2023). How AI-Based Systems Can Induce Reflections: The Case Of AI-Augmented Diagnostic Work. <i>MIS Quarterly</i>, 47(4).</p>
<p>Sustainability and Smart-home Technologies (Session 6)</p>	<p>Melville, N. P. (2010). Information systems innovation for environmental sustainability. <i>MIS Quarterly</i>, 34(1), pp. 1-21.</p> <p>Malhotra, A., Melville, N. P., & Watson, R. T. (2013). Spurring impactful research on information systems for environmental sustainability. <i>MIS Quarterly</i>, 37(4), pp. 1265-1274.</p> <p>Seidel, S., Recker, J., & Vom Brocke, J. (2013). Sensemaking and sustainable practicing: functional affordances of information systems in green transformations. <i>MIS Quarterly</i>, 37(4), pp. 1275-1299.</p> <p>Wunderlich, P., Veit, D. J., & Sarker, S. (2019). Adoption of sustainable technologies: A mixed-methods study of German households. <i>MIS Quarterly</i>, 43(2), pp. 673-691.</p> <p>Leidner, D. E., Sutanto, J., & Goutas, L. (2022). Multifarious Roles and Conflicts on an Interorganizational Green IS. <i>MIS Quarterly</i>, 46(1), pp. 591-608.</p>
<p>Digital Health and Biotech (Session 7)</p>	<p>Agarwal, R., Gao, G., DesRoches, C., & Jha, A. K. (2010). Research commentary—The digital transformation of healthcare: Current status and the road ahead. <i>Information Systems Research</i>, 21(4), pp. 796-809.</p>

	<p>Aanestad, M., & Jensen, T. B. (2011). Building nation-wide information infrastructures in healthcare through modular implementation strategies. <i>The Journal of Strategic Information Systems</i>, 20(2), pp. 161-176.</p> <p>Bardhan, I., Chen, H., & Karahanna, E. (2020). Connecting systems, data, and people: A multidisciplinary research roadmap for chronic disease management. <i>MIS Quarterly</i>, 44(1), pp. 185-200.</p> <p>Califf, C., Sarker, S., and Sarker, S. (2020). The Bright and Dark Sides of Technostress: An Empirical Study of U.S. Healthcare Workers. <i>MIS Quarterly</i>, 44(2), pp. 809-856.</p> <p>Brown, S. A., & Sias, R. W. (2023). The Fault In Our Stars: Molecular Genetics And Information Technology Use. <i>MIS Quarterly</i>, 47(2).</p>
<p>The Role of Technology and its Impacts on Social Issues</p> <p>(Session 8)</p>	<p>Selander, L., & Jarvenpaa, S. L. (2016). Digital action repertoires and transforming a social movement organization. <i>MIS Quarterly</i>, 40(2), pp. 331-352.</p> <p>Sarker, S., Ahuja, M., and Sarker, S. (2018). Work-Life Balance of Distributed Software Development Personnel: A Multi-Country, Multi-Method Investigation. <i>Information Systems Research</i>, 29(1), pp. 103-126.</p> <p>Sarker, S., Chatterjee, S., Xiao, X., & Elbanna, A. (2019). The sociotechnical axis of cohesion for the IS discipline: Its historical legacy and its continued relevance. <i>MIS Quarterly</i>, 43(3), pp. 695-720.</p> <p>Venkatesh, V., Sykes, T., & Zhang, X. (2020). ICT for development in rural India: A longitudinal study of women's health outcomes. <i>MIS Quarterly</i>, 44(2), pp. 605-629.</p> <p>Tiilikainen, S., Tuunainen, V. K., & Sarker, S. (2024). Toward A Process-Based, Interpretive Understanding of How Collaborative Groups Deal With ICT Interruptions. <i>MIS Quarterly</i>, 48(1).</p>