

Department of Informatics

## Literature for EIN003F Emerging Topics in Information Systems

Applies for autumn semester 2026.

*Established by the Board of the Department of Informatics on 2026-03-25.*

Topics	Articles
The Evolving IS Discipline and next generational theories (Session 1)	<p>Benbya, H., Nan, N., Tanriverdi, H., &amp; Yoo, Y. (2020). Complexity and information systems research in the emerging digital world. <i>MIS quarterly</i>, 44(1), 1-18.</p> <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., &amp; 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., &amp; 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., &amp; 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>Jiang, D., Jiang, L., London Jr, J., Grover, V., &amp; Sun, H. (2022). Everything old can be new again: Reinvigorating theory borrowing for the digital age. <i>MIS Quarterly</i>, 46(4), 1833-1850.</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>Berente, N., Seidel, S., &amp; Safadi, H. (2019). Research commentary—data-driven computationally intensive theory development. <i>Information Systems Research</i>, 30(1), pp. 50-64.</p> <p>Sahaym, A., Vithayathil, J., Sarker, S., Sarker, S., &amp; Bjørn-Andersen, N. (2023). Value destruction in information technology ecosystems: A</p>

	<p>mixed-method investigation with interpretive case study and analytical modeling. <i>Information Systems Research</i>, 34(2), 508-531.</p> <p>Sarker, S., Bala, H., Hong, Y., Kankanhalli, A., Rossi, M., Gu, B., &amp; Oestreicher-Singer, G. (2025). Advancing next-generation multimethod research in information systems: A framework and some recommendations for authors and evaluators. <i>Information Systems Research</i>, 36(2), 647-668.</p>
<p>Digital Innovation and Transformation (Session 3)</p>	<p>Yoo, Y., Henfridsson, O., &amp; 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>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>Wunderlich, P., Veit, D. J., &amp; 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>Gupta, P., Kim, Y. J., Glikson, E., &amp; 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., &amp; 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>Digital Platforms and Ecosystems (Session 4)</p>	<p>Constantinides, P., Henfridsson, O., &amp; 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., &amp; 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., &amp; Parker, G. (2020). Platform Signaling for Generating Platform Content. <i>MIS Quarterly</i>, 44(3), pp. 1177-1205.</p> <p>Clough, D. R., &amp; 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., &amp; 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>Engert, M., Hein, A., Maruping, L. M., Thatcher, J. B., &amp; Krcmar, H. (2025). Self-organization and governance in digital platform ecosystems: an information ecology approach. <i>Mis Quarterly</i>, 49(1), 91-122.</p>

<p>Artificial Intelligence and Generative AI</p> <p>(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., &amp; 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., &amp; 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., &amp; 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., &amp; 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>Digital Health and Biotech</p> <p>(Session 6)</p>	<p>Agarwal, R., Gao, G., DesRoches, C., &amp; 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>Bardhan, I., Chen, H., &amp; 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., &amp; Sias, R. W. (2023). The Fault In Our Stars: Molecular Genetics And Information Technology Use. <i>MIS Quarterly</i>, 47(2).</p> <p>Klecun, E., Kankanhalli, A., &amp; Zhou, Y. (2025). Advancing understanding of scaling health information infrastructures: Learning from EHR initiatives in England. <i>MIS Quarterly</i>, 49(2), 759-776.</p>
<p>The Future of Work and Digital Labor</p> <p>(Session 7)</p>	<p>Tambe, P. B., &amp; Yang, T. (2025). The Hidden Cost of IT Innovation: Access to Emerging Technologies and the Gender Wage Gap. <i>MIS Quarterly</i>, 49(2), 677-700.</p> <p>Möhlmann, M., Zalmanson, L., Henfridsson, O., &amp; 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>Jain, H., Padmanabhan, B., Pavlou, P. A., &amp; Raghu, T. S. (2021). Editorial for the special section on humans, algorithms, and augmented intelligence: The future of work, organizations, and society. <i>Information Systems Research</i>, 32(3), 675-687.</p>

	<p>Liu, J., Yue, W. T., Leung, A. C. M., &amp; Zhang, X. (2025). Find the Good. Seek the unity: A hidden Markov model of human-AI delegation dynamics. <i>Mis Quarterly</i>, 49(3), 1185-1204.</p> <p>Andreas Fügenger, Dominik D. Walzner, Alok Gupta (2025) Roles of Artificial Intelligence in Collaboration with Humans: Automation, Augmentation, and the Future of Work. <i>Management Science</i> 72(1):538-557.</p>
<p>Societal and global impacts of technology</p> <p>(Session 8)</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., &amp; 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., &amp; 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., &amp; Sarker, S. (2024). Toward A Process-Based, Interpretive Understanding of How Collaborative Groups Deal With ICT Interruptions. <i>MIS Quarterly</i>, 48(1).</p> <p>De Vaujany, F.-X., Leclercq-Vandelannoitte, A., Aroles, J., Introna, L., &amp; Davidson, S. (2025). Rethinking Responsibility in the Digital Age: A Narrative Approach. <i>MIS Quarterly</i>, 1-29.</p>