

Department of Informatics

## Literature for EIN003F Emerging Topics in Information Systems

Applies from spring semester 2022

Established by The Board of the Department of Informatics on 2022-02-08.

Topics	Articles
Next Gen and New theories in IS	<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>Wang, P. (2021). Connecting the parts with the whole: Toward an information ecology theory of digital innovation ecosystems. <i>MIS Quarterly</i>, 45(1), pp. 397-422.</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>Nkomo, S. M., Bell, M. P., Roberts, L. M., Joshi, A., &amp; 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> <p>Baum, J. A., &amp; Haveman, H. A. (2020). Editors' comments: the future of organizational theory. <i>Academy of Management Review</i>, 45(2), pp. 268-272.</p>
The Use and Application of Mixed-Methods in IS	<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, S. A., &amp; Bala, H. (2013). Bridging the qualitative-quantitative divide: Guidelines for conducting mixed methods research in information systems. <i>MIS Quarterly</i>, 37(1), pp. 21-54.</p> <p>Venkatesh, V., Brown, Sue A, and Sullivan, Yulia W. (2016) "Guidelines for Conducting Mixed-methods Research: An Extension</p>

	<p>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., &amp; Safadi, H. (2019). Research commentary—data-driven computationally intensive theory development. <i>Information Systems Research</i>, 30(1), pp. 50-64.</p>
Digital Innovation and Transformation	<p>Gregory, R. W., Keil, M., Muntermann, J., &amp; 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>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>Huang, J. C., Henfridsson, O., Liu, M. J., &amp; Newell, S. (2017). Growing on steroids: Rapidly scaling the user base of digital ventures through digital innovation. <i>MIS Q.</i>, 41(1), pp. 301-314.</p> <p>Zorina, A., Bélanger, F., Kumar, N., &amp; 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>Rossi, M., Mueller-Bloch, C., Thatcher, J. B., &amp; Beck, R. (2019). Blockchain research in information systems: Current trends and an inclusive future research agenda. <i>Journal of the Association for Information Systems</i>, 20(9), 14.</p>
Platformization	<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>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>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>
Artificial Intelligence	<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>Benbya, H., Pachidi, S., &amp; Jarvenpaa, S. (2021). Special issue editorial: Artificial intelligence in organizations: Implications for information systems research. <i>Journal of the Association for Information Systems</i>, 22(2), pp. 10.</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>Grønsund, T., &amp; Aanestad, M. (2020). Augmenting the algorithm: Emerging human-in-the-loop work configurations. <i>The Journal of Strategic Information Systems</i>, 29(2), 1016-14.</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>van den Broek, E., Sergeeva, A., &amp; Huysman, M. (2021). When the Machine Meets the Expert: An Ethnography of Developing AI for Hiring. <i>MIS Quarterly</i>, 45(3), pp. 1557-1580.</p>
Sustainability and Smart-home Technologies	<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., &amp; Watson, R. T. (2013). Spurring impactful research on information systems for environmental sustainability. <i>MIS Quarterly</i>, 37(4), pp. 1265-1274.</p> <p>Elliot, S. (2011). Transdisciplinary perspectives on environmental sustainability: a resource base and framework for IT-enabled business transformation. <i>MIS Quarterly</i>, 35(1), pp. 197-236.</p> <p>Cichy, P., Salge, T. O., &amp; Kohli, R. (2021). Privacy Concerns and Data Sharing in the Internet of Things: Mixed Methods Evidence from Connected Cars. <i>MIS Quarterly</i>, 45(4), pp. 1863-1892.</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>

Digital Health	<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>Anderson, C. L., &amp; Agarwal, R. (2011). The digitization of healthcare: boundary risks, emotion, and consumer willingness to disclose personal health information. <i>Information Systems Research</i>, 22(3), pp. 469-490.</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>Aanestad, M., &amp; 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>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>
The Role of Technology and its Impacts on Social Issues	<p>Majchrzak, A., Markus, M. L., &amp; Wareham, J. (2016). Designing for digital transformation. <i>MIS quarterly</i>, 40(2), pp. 267-278.</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>Srivastava, S. C., Teo, T. S., &amp; Devaraj, S. (2016). You Can't Bribe a Computer. <i>MIS Quarterly</i>, 40(2), pp. 511-526.</p> <p>Selander, L., &amp; 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>