

DIGHEL4360 Module 4: Suggested reading

All of the papers should be able to be found through oria.uio and Google Scholar. Let me know if you have any issues accessing them.

Sociotechnical design and innovation projects / balancing diverse needs

Barthel, P., & Hess, T. (2020). Towards a Characterization of Digitalization Projects in the Context of Organizational Transformation. *Pacific Asia Journal of the Association for Information Systems*, 12(3), 31-56. <https://doi.org/10.17705/1pais.12302>

Baxter, G., & Sommerville, I. (2011). Socio-technical systems: From design methods to systems engineering. *Interacting with computers*, 23(1), 4-17.

Thomassen, M. L., & Li, M. (2024). From Intra-Organizational to Societal Frames for Digital Service Innovation in Shared Public Services. *15th Scandinavian Conference on Information Systems*. 2. <https://aisel.aisnet.org/scis2024/2>

Rolland, K. H., & Monteiro, E. (2002). Balancing the local and the global in infrastructural information systems. *The information society*, 18(2), 87-100

Grahn, S., Granlund, A., & Lindhult, E. (2021). Barriers to Value Specification when Carrying out Digitalization Projects. *Technology Innovation Management Review*, 11(5).

Baier, M. S., Lockl, J., Röglinger, M., & Weidlich, R. (2022). Success factors of process digitalization projects—insights from an exploratory study. *Business Process Management Journal*, 28(2), 325-347.

Kiselev, C., Winter, R., & Rohner, P. (2020). Project success requires context-aware governance. *MIS Quarterly Executive*, 19(3).

Project control

Wiener, M., Mähring, M., Remus, U., Saunders, C., & Cram, W. A. (2019). Moving IS project control research into the digital era: The “why” of control and the concept of control purpose. *Information Systems Research*, 30(4), 1387-1401.

Agile and software development / software as products

Cao, L., et al. (2013). Adapting funding processes for agile IT projects: an empirical investigation. *European Journal of Information Systems*, 22(2), 191-205. <https://doi.org/10.1057/ejis.2012.9>

Mergel, I. (2016). Agile innovation management in government: A research agenda. *Government Information Quarterly*, 33. <https://doi.org/10.1016/j.giq.2016.07.004>

Nørbjerg, J., & Dittrich, Y. (2024). The Never-Ending Story—How companies transition to and sustain continuous software engineering practices. *Journal of Systems and Software*, 213, 112056.

Dittrich, Y. (2014). Software engineering beyond the project—Sustaining software ecosystems. *Information and Software Technology*, 56(11), 1436-1456.

Bharadwaj, A., El Sawy, O. A., Pavlou, P. A., & Venkatraman, N. V. (2013). Digital business strategy: toward a next generation of insights. *MIS quarterly*, 471-482.

Generic software packages

Li, M., & Nielsen, P. (2019). Making Usable Generic Software. A Matter of Global or Local Design?. *10th Scandinavian Conference on Information Systems*.

Other

Bygstad, B., & Lanestedt, G. (2017). Expectations and realities in welfare technologies: A comparative study of Japan and Norway. *Transforming Government: People, Process and Policy* (2017): 286-303. DOI:10.1108/TG-09-2016-0057