

What role do start-ups play in innovating within layered modular architectures? (written in English)

Idea:

This thesis will investigate the role of start-ups in innovating within layered modular architectures. Layered modular architecture explains how digital technologies are structured across multiple interacting layers, from physical infrastructures to digital services. While research has primarily examined large firms and ecosystems, start-ups are key sources of innovation, yet their role in such architectures is less understood. The thesis will conduct a systematic literature review that combines insights from layered modular architecture and start-up innovation studies.

Study design:

Systematic Literature Review

Data:

Research articles via WoS, Scopus, Science Direct, etc.

Relevant Literature:

Bohnsack, R., Rennings, M., Block, C., & Bröring, S. (2024). Profiting from innovation when digital business ecosystems emerge: A control point perspective. *Research Policy*, 53(3), 104961.

Yoo, Y., Henfridsson, O., & Lyytinen, K. (2010). Research commentary—the new organizing logic of digital innovation: an agenda for information systems research. *Information systems research*, 21(4), 724-735.