
Reconceptualizing Shadow IT in the Age of Generative AI: A Systematic Literature Review and Motivation Model of Shadow AI Usage

Linus Schärmann

2910412



Exposé

Lehrstuhl für Wirtschaftsinformatik
und Systementwicklung
Universität Würzburg

Betreuer: Manuel Zall

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List of Abbreviations

IS Information Systems

SAI Shadow AI

SLR Systematic Literature Review

1 Research Topic

2 Motivation

3 Methodology

The research will follow a Systematic Literature Review (SLR) according to Okoli (2015). This method is used to identify, evaluate and interpret the available research relevant to a particular research question, topic area or domain of interest and is designed to be used in Information Systems (IS) research (Okoli, 2015, p. 884).

A SLR is particularly suitable for this thesis as it allows to systematically gather and analyze existing knowledge on the topic of Shadow AIs (SAIs). With this approach, it is possible to identify research gaps and provide a solid foundation for future research directions.

Even though the methodology is designed mostly for research teams, but with some minor adjustments, it can also be used for individual research. Overall it simplifies the process of conducting a literature review due to the lack of risks associated with incorrect team communication and cooperation.

4 Preliminary Outline

Lastly the following outline should give an overview of the planned sections of the thesis. Changes may appear during the research process but as an entry point it should help to structure the work.

1. Introduction
2. Theoretical Foundations
 - 2.1. Shadow IT
 - 2.2. Motivational Theories
 - 2.3. From Shadow IT to Shadow AI
3. Methodology
4. Structured Literature Review Results
 - 4.1. Overview of Identified Literature
 - 4.2. Shadow IT Baseline
 - 4.3. Shadow AI in Existing Literature
5. Conceptual Development: Extending Shadow IT to Shadow AI
 - 5.1. Transferable Motivations
 - 5.2. Novel Motivational Dimensions
 - 5.3. Behavioural Shift in Knowledge Work
 - 5.4. Integrated Conceptual Framework
6. Comparative Analysis: Shadow IT vs. Shadow AI

4 Preliminary Outline

- 7. Discussion
- 8. Limitations and Future Research Directions
- 9. Conclusion

With this outline, the thesis will first establish a theoretical foundation by discussing the concepts of Shadow IT and motivational theories. Then, it will present the methodology of the systematic literature review and its results. Based on these results, the thesis will develop a conceptual framework that extends the traditional understanding of Shadow IT to encompass the unique characteristics and implications of Shadow AI. Finally, a comparative analysis will be conducted to highlight the differences and similarities between Shadow IT and Shadow AI, followed by a discussion of the findings, limitations, and future research directions.

References

Okoli, C. (2015). A guide to conducting a standalone systematic literature review. *Communications of the Association for Information Systems*, 37, 879–910.

Eidesstattliche Erklärung

Hiermit versichere ich, die vorliegende Arbeit selbstständig verfasst und keine anderen als die angegebenen Quellen und Hilfsmittel benutzt sowie die Zitate deutlich kenntlich gemacht zu haben.

Ich erkläre weiterhin, dass die vorliegende Arbeit in gleicher oder ähnlicher Form noch nicht im Rahmen eines anderen Prüfungsverfahrens eingereicht wurde.

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Linus Schärmann