

Table of Contents

List of Figures	iv
List of Tables	v
Acronyms	vi
A. Foundation.....	1
I. Introduction	2
I.1 Motivation	2
I.2 Research Gaps and Research Questions.....	5
I.3 Structure of the Thesis	9
I.4 Research Context and Design	11
I.5 Differentiation from Prior Research at the Chair of Information Management	14
I.6 Anticipated Contributions	15
II. Theoretical Background	19
II.1 Information System Strategy Research and the Genesis of the Concept of Digital Business Strategy	19
II.2 Digital Technologies and the Changing Competitive Landscape	24
II.3 Digital Transformation and the Role of Path Dependence as a Restraining Factor for Strategic Change	28
B. Studies on Digital Business Strategy and the Resulting Challenges Faced by Incumbent Firms	33
I. Distinguishing Characteristics of Digital Business Strategies and the Resulting Generic Types	34
1 Study 1: Exploring Strategic Orientation in the Age of Digital Transformation: A Longitudinal Analysis of Digital Business Model Patterns	35
1.1 Introduction	36
1.2 Background	37
1.3 Methodology, Data Sample & Analysis	39
1.4 Findings.....	42
1.5 Discussion and Conclusion	48
2 Study 2: Digital Business Strategy, Strategic Flexibility, and Firm Performance – An Empirical Investigation	51
2.1 Introduction	52
2.2 Theoretical Foundations.....	53
2.3 Conceptual Development.....	55

2.4	Hypotheses Development	58
2.5	Methodology	61
2.6	Results	66
2.7	Discussion of Findings	69
2.8	Limitation and Future Research	74
2.9	Appendix	75
II.	Performance Implications of Digital Business Strategy	77
1	Study 2: Digital Business Strategy, Strategic Flexibility, and Firm Performance – An Empirical Investigation	78
1.1	Introduction	79
1.2	Theoretical Foundations	80
1.3	Conceptual Development	82
1.4	Hypotheses Development	85
1.5	Methodology	88
1.6	Results	93
1.7	Discussion of Findings	96
1.8	Limitation and Future Research	101
1.9	Appendix	102
III.	Path Dependence and Its Impact on the Evolution of Industrial-age Incumbents' Digital Business Strategies	104
1	Study 3: Re-examining Path Dependence in the Digital Age: The Emergence of Connected Car Business Models	105
1.1	Introduction	106
1.2	Background	108
1.3	Methodology, data sample, and analysis	115
1.4	Findings	118
1.5	Discussion of findings	139
1.6	Contributions, limitations, and future research	143
1.7	Appendix	145
C.	Contributions	148
I.	Findings and Results	149
1.1	Findings Regarding the Distinguishing Characteristics of Digital Business Strategies and the Resulting Generic Types	149
1.2	Findings Regarding Performance Implications of Digital Business Strategy	152
1.3	Findings Regarding Path Dependence and Its Influence on the Evolution of Industrial-age Incumbents' Digital Business Strategies	154

I.4 Synthesis: A Strategic Renewal Perspective on the Evolution of Incumbents Digital Business Strategies 157

II. Implications for Theory and Practice 162

 II.1 Implications for Research..... 162

 II.2 Implications for Business Practice 165

III. Limitations and Future Research Opportunities..... 169

 III.1 Limitations 169

 III.2 Future Research Opportunities 170

IV. Conclusion..... 172

References 174

Appendixvii