

Table of Contents

Foreword.....	V
Acknowledgements.....	VII
Abstract.....	IX
Table of Contents.....	XI
List of Figures.....	XVII
List of Tables.....	XXI
List of Abbreviations.....	XXV
1 Introduction.....	1
1.1 Problem Statement and Motivation for this Research.....	1
1.2 Research Objective and Research Questions.....	3
1.3 Outline and Structure of the Thesis.....	6
2 Epistemological Foundation and Research Methodology.....	9
2.1 Philosophical Perspectives and Research Epistemology.....	9
2.1.1 Positivist Research.....	9
2.1.2 Interpretive Research.....	11
2.1.3 Critical Research.....	11
2.2 Research Design and Methods: Quantitative vs. Qualitative Research.....	11
2.3 Summary of Epistemological Foundations of this Thesis.....	13
3 Theoretical Background on Outsourcing.....	15
3.1 Definition and Background of Information Systems Outsourcing.....	15
3.1.1 Specific Characteristics of Information Systems Outsourcing.....	16
3.1.2 IS Outsourcing Definitions.....	18
3.2 Theoretical Foundation: Related Theories.....	21
3.2.1 Transaction Cost Economics.....	22
3.2.2 Exchange Theories: Social Exchange and Relational Exchange Theory.....	24
3.2.2.1 Social Exchange Theory.....	24
3.2.2.2 Relational Exchange Theory.....	25
3.2.3 Psychological Contract Theory.....	26

3.2.4	Expectation Confirmation Theory.....	27
3.2.5	Theories of Power: Power-Political, Power Dependence, Power Conflict	28
3.2.6	Summary of Theories for IS Outsourcing Relationships	30
3.3	The Multi-Dimensionality of Outsourcing IS Functions.....	31
3.3.1	Outsourcing Functions and the IT Service Lifecycle.....	31
3.3.2	Forms of Outsourcing Arrangements.....	33
3.4	Outsourcing Determinants and Expectations: Advantages and Disadvantages	39
3.5	Prior Research on IS Outsourcing Relationships: State of the Art.....	45
3.5.1	Evolution of IS Outsourcing Research towards a Relationship Focus.....	45
3.5.2	The Relationship Perspective in IS Outsourcing.....	46
3.5.3	Approaches for Classifying IS Outsourcing Relationships.....	48
3.6	Constitutive Factors of an IS Outsourcing Relationship.....	49
3.6.1	Strategic Intent and Contextual Factors	49
3.6.2	Relationship Architecture.....	50
3.6.3	Governance and Monitoring Mechanisms	51
3.6.3.1	Formal Contractual Governance	54
3.6.3.2	Informal Relational Governance	55
3.6.3.3	The Interplay of Formal Contractual and Informal Relational Governance ..	56
3.6.3.4	Governance via Management Processes	57
3.6.3.5	Governance via Organizational Structures.....	58
3.6.3.6	Governance via Experience and Risk-Reward Incentive Mechanisms.....	59
3.6.4	Relational and Behavioral Interactions of the Outsourcing Parties	61
3.6.5	Success of IS Outsourcing.....	66
3.7	Shortcomings of the Current Research / Research Gap on Outsourcing Relationships and their Governance	70
3.8	Framework for Classifying Outsourcing Relationships.....	71
3.8.1	Methodological Approach to the Conceptualization of a Framework on Outsourcing Relationships	72
3.8.2	Categories of the Framework	73
3.8.3	Completeness vs. Parsimony of the Building Blocks.....	73
3.8.4	Interdependencies among the Variables.....	74
3.8.5	Conceptual Framework for Types in IS Outsourcing Relationships.....	75
3.9	Summary of Outsourcing Foundations.....	79
4	Theoretical and Methodological Foundations for Classifying Data	81
4.1	Theoretical Foundations of Classification and Configuration.....	81
4.1.1	Definition of Classification Terms: Classification, Configuration, Type	81
4.1.2	Characteristics of Configurations or Types.....	82
4.1.3	Typologies vs. Taxonomies.....	83
4.2	Grouping Techniques	86

4.2.1	Cluster Analysis	86
4.2.1.1	Definition of Cluster Analysis.....	86
4.2.1.2	General Procedure of Cluster Analysis	87
4.2.1.3	Different Clustering Techniques and Algorithms	88
4.2.1.4	Clustering Steps.....	90
4.2.1.5	Strengths and Pitfalls of Cluster Analysis.....	98
4.2.2	Discriminant Analysis	99
4.2.3	Factor Analysis.....	101
4.2.3.1	General Considerations and Distinctions in Factor Analysis: Exploratory vs. Confirmatory, R vs. Q Analysis	101
4.2.3.2	Design and Process of a Factor Analysis	102
4.3	Summary of the Methodological Foundations for Classifying Outsourcing Clients.....	108
5	Empirical Evidence of Outsourcing Relationship Types	111
5.1	Qualitative Pre-Study: First Evidence of Different IS Outsourcing Relationships	113
5.1.1	Data Collection.....	113
5.1.2	Results	116
5.1.2.1	Strategic Intent, Expectations, and Context	117
5.1.2.2	Relationship Architecture.....	117
5.1.2.3	Governance and Monitoring.....	117
5.1.2.4	Interaction.....	118
5.1.3	Types of IS Outsourcing Relationships.....	118
5.2	Research Design of the Quantitative Study.....	122
5.3	Data Collection and Demographic Results	124
5.4	Statistical Results: Data Analysis	126
5.4.1	Diagnostic Pre-Analysis of Results: Missing Values and Distribution of Data. 126	
5.4.1.1	Diagnostics: Analyzing the Extent and Impact of Missing Values.....	127
5.4.1.2	Normal Distribution of the Data.....	131
5.4.2	Factor Analysis: Customer Expectations towards IS Outsourcing	132
5.4.2.1	Initial Factor Analysis with All Outsourcing Motives	133
5.4.2.2	Final Improved Factor Solution	135
5.4.2.3	Reliability Analysis of the Final Factor Solution.....	140
5.4.2.4	Interpretation of Factors	141
5.4.3	Cluster Analysis: Finding Configurations of Clients with Similar Outsourcing Expectations.....	142
5.4.3.1	Selecting and Preparing the Input Variables for the Cluster Analysis.....	143
5.4.3.2	Identifying Outliers in the Data Set.....	143
5.4.3.3	Identifying the Number of Clusters and the Cluster Centroids.....	144
5.4.3.4	Optimizing the Cluster Solution with k-Means.....	146
5.4.3.5	Estimating and Validating the Cluster Solution with Discriminant Analysis.....	147

5.5 Interpretation of Statistical Analysis: Configurations of Different Outsourcing Client Groups.....	148
5.5.1 Constitutive Elements of the Client Configurations: Major Outsourcing Expectations and Strategic Intent	149
5.5.2 Context Factors.....	156
5.5.2.1 Basic Company Characteristics.....	156
5.5.2.2 Role and Impact of IT for the Company	161
5.5.3 Relational Architecture of the Outsourcing Ventures	162
5.5.3.1 Experience with Outsourcing	162
5.5.3.2 Outsourcing Objects and Degree of Outsourced Functions	163
5.5.3.3 Number of Involved Vendors: Single vs. Multi-Vendor Outsourcing.....	165
5.5.3.4 Outsourcing Degree: Selective vs. Total Outsourcing	166
5.5.3.5 Length and Duration of Outsourcing Contracts	167
5.5.3.6 Pricing Arrangements for Outsourced Services	168
5.5.3.7 Outsourcing Alliances.....	169
5.5.3.8 Dependency on the Service Provider and Switching Costs	170
5.5.3.9 Goal Alignment between Outsourcing Parties	171
5.5.4 Governance Approaches among the Different Client Groups.....	174
5.5.4.1 Outsourcing Governance: Role of the Contract	174
5.5.4.2 Outsourcing Governance: Role of Processes	176
5.5.4.3 Outsourcing Governance: Role of Structures and Structural Liaison Devices	179
5.5.4.4 Outsourcing Governance: Informal Relationship	181
5.5.4.5 The Role of Staff Experience, Degrees of Freedom for the Vendor, and Risk-Reward Mechanisms as Governance Mechanisms	184
5.5.5 Interactions: Role of Specific Relationship Factors	188
5.5.5.1 Communication	189
5.5.5.2 Conflict Resolution and Consensus.....	190
5.5.5.3 Cooperation and Coordination	192
5.5.5.4 Commitment and Loyalty.....	194
5.5.5.5 Cultural Similarity.....	195
5.5.5.6 Trust	196
5.5.5.7 Vendor Flexibility	198
5.5.5.8 Vendor Proactivity	199
5.5.6 Outsourcing Success: Perceived Service Quality and Satisfaction.....	202
5.6 Summary and Consolidated Description of the Four Client Configurations... 205	
6 Governance of IS Outsourcing Relationship Types..... 215	
6.1 Research Design: Governance Model and Construct Development	215
6.2 Research Approach and Validation	218
6.3 Model Validation and Results..... 219	
6.3.1 Formative Measurement Model	219
6.3.2 Reflective Measurement Model	221

6.3.3	Structural Model.....	226
6.3.4	Group Analysis: The Impact of Different Governance Mechanisms among the Four Client Groups.....	230
6.3.5	Mediating Effects in the Model.....	231
6.4	Assessment of Common Method Bias	233
6.5	Discussion and Interpretation of Results.....	236
7	Conclusion and Outlook on Future Research	243
7.1	Results and Contributions to Theory.....	244
7.2	Results and Contributions to Practice	246
7.3	Main Research Limitations.....	247
7.4	Outlook on Future Research.....	248
	References	249
	Appendix	293