

Contents

Foreword Prof. Dr. Dres. h.c. Arnold Picot.....	V
Foreword Prof. Dr. Tobias Kretschmer	VII
Preface.....	IX
Contents.....	XI
List of tables.....	XV
List of figures.....	XVII
Chapter 1: Introduction.....	1
1.1 Motivation.....	1
1.2 A summary of the three studies	4
1.3 The datasets employed in the two empirical studies	8
Chapter 2: Information technology and firm performance: An integrative model of the role of complementarities.....	19
2.1 Introduction.....	19
2.2 An overview of the empirical research on IT complements.....	21
2.2.1 Studies on internal or external IT complements.....	22
2.2.1.1 Resource centered perspective	22
2.2.1.2 Contingency perspective.....	23
2.2.2 Studies on internal and external IT complements.....	23
2.2.3 The need for an integrative model of IT complements	24
2.3 Toward an integrative model of IT complements.....	26
2.3.1 Fit and complementarity	27
2.3.2 Organizational information processing and IT.....	29
2.3.3 An integrative model of IT complements.....	30
2.4 Horizontal fit between IT and IT complements	33
2.4.1 The degree of centralization.....	34
2.4.1.1 Centralization.....	34
2.4.1.2 Decentralization.....	35
2.4.1.3 A richer definition of the degree of centralization.....	36
2.4.2 Standardization.....	38
2.4.3 HRM practices	40
2.4.4 Information technology.....	42
2.4.5 Two ideal configurations of organization design.....	44
2.5 Vertical fit between contingencies and organization design.....	46
2.5.1 Environment	46
2.5.2 Corporate strategy.....	48

2.5.3	Organizational culture.....	50
2.5.4	Two ideal ways to achieve vertical fit.....	52
2.6	Conclusion and implications.....	53
Chapter 3: Enhancing the performance effects of information technology through de/centralization: The role of corporate exploration and exploitation.....		
3.1	Introduction.....	57
3.2	Literature review and hypothesis development.....	60
3.2.1	Information technology and firm performance.....	60
3.2.2	The information processing view of organizations and information technology.....	60
3.2.3	Information technology, decentralization, and centralization.....	62
3.2.4	The role of organizational learning.....	63
3.2.5	Hypotheses.....	65
3.3	Empirical approach.....	66
3.3.1	Empirical models.....	66
3.3.2	Data.....	68
3.3.3	Variables.....	70
3.3.3.1	Production function inputs and outputs.....	70
3.3.3.2	Organizational learning and organization design.....	71
3.3.3.3	Control variables.....	75
3.4	Results.....	77
3.4.1	Discussion of the results.....	77
3.4.2	Robustness of the results.....	80
3.5	Conclusions.....	85
Chapter 4: Hybrid strategy and firm performance: The moderating role of individual and technological ambidexterity.....		
4.1	Introduction.....	89
4.2	Theory and hypotheses.....	91
4.2.1	Hybrid strategy, organizational architecture, and firm performance in theory.....	91
4.2.2	Hybrid strategy, organizational architecture, and firm performance in empirical studies.....	93
4.2.2.1	Summary of empirical studies.....	93
4.2.2.2	Definitions of a hybrid strategy's performance impact.....	95
4.2.2.3	Organizational ambidexterity as a moderator of the hybrid strategy performance relationship.....	95
4.2.3	Organizational ambidexterity.....	98

4.2.3.1	Individual ambidexterity	99
4.2.3.2	Technological ambidexterity.....	101
4.2.4	Hypotheses	104
4.3	Method.....	106
4.3.1	Models.....	106
4.3.1.1	Moderation effects model.....	106
4.3.1.2	Effects coding model	107
4.3.1.3	Dummy coding models.....	108
4.3.2	Sample	110
4.3.3	Measures.....	113
4.3.3.1	Firm performance.....	113
4.3.3.2	Corporate strategy.....	114
4.3.3.3	Individual ambidexterity	115
4.3.3.4	Technological ambidexterity.....	118
4.3.3.5	Group indicator variables.....	120
4.3.3.6	Control variables	121
4.4	Results.....	124
4.4.1	Moderation effects models	124
4.4.2	Effects and dummy coding models	127
4.4.3	Robustness test: Porter's definition of the performance impact of a strategy.....	131
4.4.4	Pure strategies	135
4.5	Discussion and conclusions.....	136
4.5.1	Implications for research.....	137
4.5.2	Implications for managers.....	138
4.5.3	Limitations and future research.....	138
Chapter 5:	Conclusion.....	141
5.1	Summary and contributions.....	141
5.2	Suggestions for future research.....	146
References.....		149
Appendices		171
Subject index.....		183