

Concise Table of Contents

FOREWORD.....	V
PREFACE.....	VII
DISCLAIMER.....	VIII
CONCISE TABLE OF CONTENTS.....	IX
TABLE OF CONTENTS.....	XI
LIST OF FIGURES	XV
LIST OF APPENDICES	XVII
LIST OF ABBREVIATIONS.....	XIX
1 INTRODUCTION TO CONNECTED SERVICES.....	1
2 SCOPING THE RESEARCH FOCUS THROUGH THEORETICAL FOUNDATIONS.....	13
3 EXPERIENCING CONNECTED SERVICES IN THE AUTOMOTIVE INDUSTRY	39
4 FORMING THE CONCEPTUAL FRAMEWORK INTO A RESEARCH MODEL	69
5 WINNING INSIGHTS FROM QUANTITATIVE DATA ANALYSIS	79
6 DEVELOPING CONNECTED SERVICES TODAY AND TOMORROW.....	119
7 BIBLIOGRAPHY	129
8 APPENDIX	143

Table of Contents

FOREWORD.....	V
PREFACE.....	VII
DISCLAIMER.....	VIII
CONCISE TABLE OF CONTENTS.....	IX
TABLE OF CONTENTS.....	XI
LIST OF FIGURES	XV
LIST OF APPENDICES	XVII
LIST OF ABBREVIATIONS.....	XIX
1 INTRODUCTION TO CONNECTED SERVICES.....	1
1.1 “TAM RELOADED” OR WHY IT BECOMES EVER MORE IMPORTANT.....	1
1.2 RESEARCH QUESTIONS AND OBJECTIVES OF THE THESIS	7
1.3 RESEARCH DESIGN AND THESIS STRUCTURE	9
2 SCOPING THE RESEARCH FOCUS THROUGH THEORETICAL FOUNDATIONS	13
2.1 CONNECTED SERVICES – DEFINITION, DIFFERENTIATION, AND STATE OF AFFAIRS.....	13
2.1.1 Services are peculiar products.....	13
2.1.2 Self-service technologies.....	14
2.1.3 Remote services and objects	15
2.1.4 Connected Services	16
2.2 THEORETICAL BASES OF TECHNOLOGY ACCEPTANCE FROM IS RESEARCH	17
2.2.1 The antecedents TRA and TPB	18
2.2.2 Technology Acceptance Model (TAM)	19
2.2.3 Technology Acceptance Model 2 (TAM 2)	23
2.2.4 Unified Theory of Acceptance and Use of Technology (UTAUT).....	24
2.2.5 Applications of TAM models.....	26
2.3 THEORETICAL BASES FROM OTHER RELEVANT RESEARCH STREAMS	27
2.3.1 Branding from marking to marketing.....	27
2.3.2 Hedonic and utilitarian usage motivations	30
2.3.3 Pricing transparency and fairness.....	31
2.3.4 Loyalty as a potential outcome of usage	33
2.4 CRITICAL GAPS IN THE LITERATURE AND THE NEED FOR FURTHER RESEARCH.....	35
3 EXPERIENCING CONNECTED SERVICES IN THE AUTOMOTIVE INDUSTRY	39
3.1 RESEARCH DESIGN OF THE QUALITATIVE ASPECTS	39
3.2 AUTOMOTIVE INDUSTRY AS RESEARCH OBJECT.....	40

3.3	CASE STUDY BMW CONNECTEDDRIVE	42
3.3.1	Product offering	43
3.3.2	Development within the telematics market	45
3.3.3	Trends and outlook.....	47
3.3.4	Behavioral customer segmentation	49
3.3.5	Individual customer traits for technology acceptance	50
3.4	CASE STUDY BMW TELESERVICES	53
3.4.1	Use cases, motivations, and success factors in B2C.....	53
3.4.2	Telematics in B2B for commercial vehicles	56
3.5	CASE STUDY BMW PERSONAL RADIO (PROTOTYPE).....	58
3.6	CROSS-CASE STUDY COMPARISON, OR WHAT IT ALL MEANS TO TAUM	61
3.7	APOSTILLE: MARKETING & SALES OF COMPLEX TECHNOLOGY-BASED PRODUCTS AND SERVICES	62
4	FORMING THE CONCEPTUAL FRAMEWORK INTO A RESEARCH MODEL	69
4.1	BRIDGING THEORY AND PRACTICE INTO A RESEARCH MODEL	69
4.2	RATIONALE FOR PROPOSED MODEL FACTORS	70
4.2.1	Perceived usefulness	70
4.2.2	Perceived criticalness	70
4.2.3	Perceived ease of use.....	71
4.2.4	Technology readiness and innovation valuation	71
4.2.5	Prestige.....	72
4.2.6	Perceived enjoyment	73
4.2.7	Brand reputation of OEM and Connected Services.....	73
4.2.8	Technology hedonism	74
4.2.9	Price transparency and fairness	75
4.2.10	Attitude and satisfaction	75
4.3	HYPOTHESIS ON (MULTI) GROUP DIFFERENCES.....	76
5	WINNING INSIGHTS FROM QUANTITATIVE DATA ANALYSIS	79
5.1	DATA ACQUISITION AND PREPARATION METHODOLOGY	79
5.2	DESCRIPTIVE STATISTICS OF THE SAMPLE.....	82
5.2.1	“The” average Connected Services customer.....	82
5.2.2	Findings on key survey elements	83
5.3	KEY ANALYSES OF ACTUAL USAGE DATA	85
5.4	FUNDAMENTALS OF STRUCTURAL EQUATION MODELING.....	92
5.5	MODELING TECHNOLOGY ACCEPTANCE FOR NONUSERS.....	93
5.5.1	Data preparation	93
5.5.2	Deriving a factor structure.....	94
5.5.3	Confirming the factor structure	99
5.5.4	Model validation and results	101

5.6	MODELING TECHNOLOGY ACCEPTANCE AND USAGE FOR USERS	105
5.6.1	Data preparation	106
5.6.2	Deriving a factor structure.....	106
5.6.3	Confirming the factor structure	108
5.6.4	Model validation and results	109
5.7	USER MULTIGROUP COMPARISON BY USAGE	112
5.8	USER MULTIGROUP COMPARISON BY CONTRACTUAL STATUS.....	114
5.9	DISCUSSION OF THE STRUCTURAL EQUATION MODELING RESULTS.....	115
6	DEVELOPING CONNECTED SERVICES TODAY AND TOMORROW.....	119
6.1	REFLECTIONS ALONG THE CUSTOMER LIFE CYCLE.....	119
6.2	RESEARCH AND MANAGERIAL IMPLICATIONS.....	123
6.3	OUTLOOK ON (RESEARCH ON) CONNECTED SERVICES IN THE FUTURE	126
7	BIBLIOGRAPHY	129
8	APPENDIX	143