Table of Contents

	pag.
Introduction	1
Chapter 1	
Strategic Networks: Mapping the Intellectual Structure of Extant Literature	11
 1.1. The Strategic Network Field of Study 1.1.1. Development of the Interorganizational Network Field of Study 1.1.2. An Overview of Interorganizational Networks as a Field of Study 1.2. Research Methods 1.2.1. Data Sources 1.2.2. Compilation Steps 1.2.3. Analyses 1.3. The Intellectual Structure of the Literature 1.4. A Spatial Representation of the Literature 1.5. The Path towards a Prospective Investigation 1.5.1. Perspectives and Level of Analysis 1.5.2. Nature of Interorganizational Relations and Innovation 1.5.3. Actor Types 1.5.4. Generalizability of Empirical Results 1.5.5. Influence of Networks on Innovative Performance 1.5.6. How Firms May Take Advantage of Network Participation 1.5.7. Interorganizational Networks, Innovation and Institutional Contexts 1.6. Discussion 	13 13 15 17 17 19 19 20 42 45 45 46 46 47 47 48 48 49
Chapter 2	
The Strategic Network as a Complex Dynamic Network of Knowledge, Resources and Capabilities	51
2.1. The Theoretical Setting	53

		pag.
	2.1.1. The Resource-based and the Knowledge-based Theories	53
	2.1.2. The Strategic Network Theory2.1.3. The Complex Systems Theory	55 58
2.2.	The Strategic Network as a Complex Dynamic Network of Knowledge,	50
	Resources and Capabilities	60
	2.2.1. The Analytical Levels of Strategic Networks: Micro-, Meso- and	(2
	Macro-systemic Levels 2.2.2. Properties of the Strategic Network as a Complex Dynamic Net-	62
	work of Knowledge, Resources and Capabilities	63
2.3.	The Value Creation Potential of Strategic Networks	66
	2.3.1. The Integration Capabilities of Strategic Networks2.3.2. The Dyadic Interaction between Integration Capabilities of Stra-	66
	tegic Networks	68
2.4.	Discussion	74
Cha	apter 3	
Cor	mpetitive Bases and Consequences of Strategic Networks'	
Mu	Iltilevel Architecture	79
3.1.	The Complex Systems View to Scrutinize Strategic Networks: The Who-	
	le-Parts Interaction and the Holistic and Multilevel Logic	83
3.2.	Characteristics of the Analytical Levels of Strategic Networks	85
	3.2.1. Benefits and Limitations of the Micro-Systemic Level3.2.2. Benefits and Limitations of the Meso-Systemic Level	87 88
	3.2.3. Benefits and Limitations of the Macro-Systemic Level	89
3.3.	Multilevel Interactions among the Analytical Levels of Strategic Net-	
	works	89
	apter 4	
	ultilevel Architecture of Strategic Networks: The Case of	0.2
311	Microelectronics and Toyota	93
4.1.	Research Methods and Data	94
	4.1.1. Theoretical Sampling	95
	4.1.2. Multiple Cases with an Embedded Design4.1.3. Sources of Data	96 97
4.2.	The STMicroelectronics Case	97
	4.2.1. Phase I: 1987-1991	98
	4.2.2. Phase II: 1992-1999	99

		pag.
	4.2.3. Phase III: 2000-2006	101
	4.2.4. Overview of ST's Network Strategy	106
4.3.	. The Toyota Case	107
	4.3.1. Phase I: 1988-1991	108
	4.3.2. Phase II: 1992-1993	110
	4.3.3. Phase III: 1994-2000	111
	4.3.4. Overview of Toyota's Network Strategy	112
4.4.	A Juxtaposition of the ST's and Toyota's Multilevel Networks	115
	4.4.1. The Complex Dynamic Network that Links ST with its Strategic Partners	116
	4.4.2. The Complex Dynamic Network that Interconnects Toyota and	110
	the Group of its First-Tier Suppliers	116
	4.4.3. Commonalities and Differences between ST's and Toyota's Mul-	110
	tilevel Networks	116
15	Discussion	124
⊣ .J.	4.5.1. Implications of the Study Proposed	127
	4.5.2. Limitations of the Study Proposed	130
Str	rategic Network Dynamics Inquiry: A Comprehensive	122
Αр	praisal	133
5.1.		133
	Research Methodology and Data Selection	133
5.2.	Research Methodology and Data Selection Analysis of the Set of Articles Selected	
5.2.	Analysis of the Set of Articles Selected	134
5.2.	Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal	134 151
	Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal 5.2.2. Analysis by Author and Citation	134 151 151
	Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal	134 151 151
5.3.	 Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal 5.2.2. Analysis by Author and Citation The Structure of the Most Recurrent Words in Studies on Network Dynamics 	134 151 151 155
5.3.	 Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal 5.2.2. Analysis by Author and Citation The Structure of the Most Recurrent Words in Studies on Network Dynamics The Map of Network Dynamics Studies 5.4.1. Studies that Focus on Endogenous Drivers of Network Formation 	134 151 151 155 158
5.3.	 Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal 5.2.2. Analysis by Author and Citation The Structure of the Most Recurrent Words in Studies on Network Dynamics The Map of Network Dynamics Studies 5.4.1. Studies that Focus on Endogenous Drivers of Network Formation or Emergence 	134 151 151 155 158 163
5.3.	 Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal 5.2.2. Analysis by Author and Citation The Structure of the Most Recurrent Words in Studies on Network Dynamics The Map of Network Dynamics Studies 5.4.1. Studies that Focus on Endogenous Drivers of Network Formation or Emergence 5.4.2. Studies that Focus on Endogenous Drivers of Network Evolution 	134 151 151 155 158 163 165 169
5.3.	 Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal 5.2.2. Analysis by Author and Citation The Structure of the Most Recurrent Words in Studies on Network Dynamics The Map of Network Dynamics Studies 5.4.1. Studies that Focus on Endogenous Drivers of Network Formation or Emergence 5.4.2. Studies that Focus on Endogenous Drivers of Network Evolution 5.4.3. Studies that Focus on Endogenous Drivers of Network Change 	134 151 151 155 158 163
5.3.	 Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal 5.2.2. Analysis by Author and Citation The Structure of the Most Recurrent Words in Studies on Network Dynamics The Map of Network Dynamics Studies 5.4.1. Studies that Focus on Endogenous Drivers of Network Formation or Emergence 5.4.2. Studies that Focus on Endogenous Drivers of Network Evolution 5.4.3. Studies that Focus on Endogenous Drivers of Network Change 5.4.4. Studies that Focus on Exogenous and Multilevel Drivers of Net- 	134 151 151 155 158 163 165 169 171
5.3.	 Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal 5.2.2. Analysis by Author and Citation The Structure of the Most Recurrent Words in Studies on Network Dynamics The Map of Network Dynamics Studies 5.4.1. Studies that Focus on Endogenous Drivers of Network Formation or Emergence 5.4.2. Studies that Focus on Endogenous Drivers of Network Evolution 5.4.3. Studies that Focus on Endogenous Drivers of Network Change 5.4.4. Studies that Focus on Exogenous and Multilevel Drivers of Network Formation or Emergence 	134 151 151 155 158 163 165 169
5.3.	 Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal 5.2.2. Analysis by Author and Citation The Structure of the Most Recurrent Words in Studies on Network Dynamics The Map of Network Dynamics Studies 5.4.1. Studies that Focus on Endogenous Drivers of Network Formation or Emergence 5.4.2. Studies that Focus on Endogenous Drivers of Network Evolution 5.4.3. Studies that Focus on Endogenous Drivers of Network Change 5.4.4. Studies that Focus on Exogenous and Multilevel Drivers of Network Formation or Emergence 5.4.5. Studies that Focus on Exogenous and Multilevel Drives of Net- 	134 151 151 155 158 163 165 169 171
5.3.	 Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal 5.2.2. Analysis by Author and Citation The Structure of the Most Recurrent Words in Studies on Network Dynamics The Map of Network Dynamics Studies 5.4.1. Studies that Focus on Endogenous Drivers of Network Formation or Emergence 5.4.2. Studies that Focus on Endogenous Drivers of Network Evolution 5.4.3. Studies that Focus on Endogenous Drivers of Network Change 5.4.4. Studies that Focus on Exogenous and Multilevel Drivers of Network Formation or Emergence 5.4.5. Studies that Focus on Exogenous and Multilevel Drivers of Network Evolution 5.4.6. Studies that Focus on Exogenous and Multilevel Drivers of Network Evolution 	134 151 151 155 158 163 165 169 171 172
5.3. 5.4.	 Analysis of the Set of Articles Selected 5.2.1. Analysis by Year and Journal 5.2.2. Analysis by Author and Citation The Structure of the Most Recurrent Words in Studies on Network Dynamics The Map of Network Dynamics Studies 5.4.1. Studies that Focus on Endogenous Drivers of Network Formation or Emergence 5.4.2. Studies that Focus on Endogenous Drivers of Network Evolution 5.4.3. Studies that Focus on Endogenous Drivers of Network Change 5.4.4. Studies that Focus on Exogenous and Multilevel Drivers of Network Formation or Emergence 5.4.5. Studies that Focus on Exogenous and Multilevel Drives of Network Evolution 	134 151 151 155 158 163 165 169 171

	pag
Chapter 6	
Architectural Dynamics and Intentional Governance of	
Strategic Networks	183
6.1. Theoretical Setting	185
6.1.1. Emergent Strategic Networks	185
6.1.2. Orchestrated Strategic Networks	189
6.1.3. A Juxtaposition of Emergent and Orchestrated Strategic Networks	191
6.1.4. Network Theory and Network Dynamics	193
6.2. Architectural Dynamics and Intentional Governance in Formal Tie Network	196
6.2.1. Knowledge Processes Supported by the Formal Tie Network	196
6.2.2. Architectural Dynamics of the Formal Tie Network	197
6.2.3. Intentional Governance of the Formal Tie Network	199
6.3. Architectural Dynamics and Intentional Governance in Informal Tie	
Network	203
6.3.1. Knowledge Processes Supported by the Informal Tie Network	203
6.3.2. Architectural Dynamics of the Informal Tie Network	205
6.3.3. Intentional Governance of the Informal Tie Network	205
6.4. Multilevel Intentional Network Governance of Strategic Networks	207
6.5. Discussion	208
Conclusions	211
References	217