

Contents

Acknowledgements.....	v
PROLOGUE.....	1
1 Introduction.....	3
2 Industrial Networks of the Future: Review of Research and Practice.....	13
<i>Rob Dekkers and David Bennett</i>	
PART I: Networks as Complex Adaptive Systems.....	35
3 Dispersed Network Manufacturing: An Emerging Form of Collaboration Networks.....	39
<i>Hamid Noori and W.B. Lee</i>	
4 Self-Similarity and Criticality in Dispersed Manufacturing: A Contribution to Production Networks Control.....	59
<i>Hermann Kühnle</i>	
5 Collaborations in Industrial Networks: The Co-Evolutionary Perspective.....	77
<i>Rob Dekkers</i>	
PART II: Control and Coordination in Industrial Networks.....	107
6 Designing and Modeling Agile Supply-Demand Networks.....	111
<i>Petri Helo, Natalia Kitaygorodskaya, Sari Salminen and Roger J. Jiao</i>	
7 Framework for Developing an Agile Future-Proof Supply Chain.....	131
<i>Hossein Sharifi, Hossam Ismail and Iain Reid</i>	
PART III: International Issues of Industrial Networks.....	155
8 Developing a Worldwide Production Network.....	159
<i>Joachim Kuhn</i>	
9 Planning in Companies with Dispersed Capacity.....	179
<i>Stephen A. Smith, David J. Petty, David G. Trustrum and Ashraf W. Labib</i>	
10 Managing Product Variety in Multinational Corporation Supply Chains: A Simulation Study Investigating Flow Time.....	195
<i>Mahendrawathi Er and Bart MacCarthy</i>	
11 Set-Up and Operation of Global Engineering Networks Spanning Industrialized and Emerging Economies.....	223
<i>Harshavardhan Karandikar</i>	
EPILOGUE.....	241

12 What Follows 243

About the Editor..... 251

About the Authors 253