Contents

List of contributors vii
Acknowledgements x

INTRODUCTION THE NEW PARADIGM OF EVOLUTIONARY ECONOMIC GEOGRAPHY

1 The aims and scope of evolutionary economic geography 3
Ron Boschma and Ron Martin

PART 1 CONCEPTUAL CHALLENGES IN EVOLUTIONARY ECONOMIC GEOGRAPHY

2 Generalized Darwinism and evolutionary economic geography 43
Jürgen Essletzbichler and David L. Rigby
3 The place of path dependence in an evolutionary perspective on the economic landscape 62
Ron Martin and Peter Sunley
4 Complexity thinking and evolutionary economic geography 93
Ron Martin and Peter Sunley
5 The spatial evolution of innovation networks: a proximity perspective 120
Ron Boschma and Koen Frenken

PART 2 FIRM DYNAMICS, INDUSTRIAL DYNAMICS AND SPATIAL CLUSTERING

6 Entrepreneurship, evolution and geography 139
Erik Stam
7 Pecuniary externalities and the localized generation of technological knowledge 162
Cristiano Antonelli
8 The relationship between multinational firms and innovative clusters 182
Simona Iammarino and Philip McCann
9 Emergence of regional clusters: the role of spinoffs in the early growth process 205
Michael S. Dahl, Christian R. Østergaard and Bent Dalum
10 A social-evolutionary perspective on regional clusters 221
Udo Staber
11 Evolutionary economic geography: regional systems of innovation and high-tech clusters 239
Philip Cooke and Carla de Laurentis
PART 3 NETWORK EVOLUTION AND GEOGRAPHY

12 Clusters, networks and economic development: an evolutionary economics perspective  
   Elisa Giuliani  
   261
13 Reputation, trust and relational centrality in local networks: an evolutionary geography perspective  
   Stefano Denicolai, Antonella Zucchella and Gabriele Cioccarelli  
   280
14 The evolution of a strategic alliance network: exploring the case of stock photography  
   Johannes Glückler  
   298
15 Complexity, networks and knowledge flow  
   Olav Sorenson, Jan W. Rivkin and Lee Fleming  
   316
16 The geography of knowledge spillovers: the role of inventors’ mobility across firms and in space  
   Stefano Breschi, Camilla Lenzi, Francesco Lissoni and Andrea Vezzulli  
   353
17 Growth, development and structural change of innovator networks: the case of Jena  
   Uwe Cantner and Holger Graf  
   370

PART 4 INSTITUTIONS, CO-EVOLUTION AND ECONOMIC GEOGRAPHY

18 An evolutionary approach to localized learning and spatial clustering  
   Anders Malmberg and Peter Maskell  
   391
19 Path dependence and path plasticity: the co-evolution of institutions and innovation – the German customized business software industry  
   Simone Strambach  
   406
20 On the notion of co-evolution in economic geography  
   Eike W. Schamp  
   432
21 Locked in decline? On the role of regional lock-ins in old industrial areas  
   Robert Hassink  
   450

PART 5 STRUCTURAL CHANGE, AGGLOMERATION EXTERNALITIES AND REGIONAL BRANCHING

22 The evolution of spatial patterns over long time-horizons: the relation with technology and economic development  
   Jan Lambooy  
   471
23 The information economy and its spatial evolution in English cities  
   James Simmie  
   487
24 An evolutionary model of firms’ location with technological externalities  
   Giulio Bottazzi and Pietro Dindo  
   508

Index  
529