Contents

List of contributors vii
Acknowledgements x

INTRODUCTION THE NEW PARADIGM OF EVOLUTIONARY ECONOMIC GEOGRAPHY

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

PART 1 CONCEPTUAL CHALLENGES IN EVOLUTIONARY ECONOMIC GEOGRAPHY

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

PART 2 FIRM DYNAMICS, INDUSTRIAL DYNAMICS AND SPATIAL CLUSTERING

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

12 Clusters, networks and economic development: an evolutionary economics perspective
Elisa Giuliani

13 Reputation, trust and relational centrality in local networks: an evolutionary geography perspective
Stefano Denicolai, Antonella Zucchella and Gabriele Cioccarelli

14 The evolution of a strategic alliance network: exploring the case of stock photography
Johannes Glückler

15 Complexity, networks and knowledge flow
Olav Sorenson, Jan W. Rivkin and Lee Fleming

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

17 Growth, development and structural change of innovator networks: the case of Jena
Uwe Cantner and Holger Graf

PART 4 INSTITUTIONS, CO-EVOLUTION AND ECONOMIC GEOGRAPHY

18 An evolutionary approach to localized learning and spatial clustering
Anders Malmberg and Peter Maskell

19 Path dependence and path plasticity: the co-evolution of institutions and innovation – the German customized business software industry
Simone Strambach

20 On the notion of co-evolution in economic geography
Eike W. Schamp

21 Locked in decline? On the role of regional lock-ins in old industrial areas
Robert Hassink

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

23 The information economy and its spatial evolution in English cities
James Simmie

24 An evolutionary model of firms’ location with technological externalities
Giulio Bottazzi and Pietro Dindo

Index