Innovation, Agglomeration and Regional Competition

Edited by

Charlie Karlsson
Professor of the Economics of Technological Change and Director of CISEG (Centre for Innovation Systems, Entrepreneurship and Growth), Jonkoping International Business School, Jonkoping University and Guest Professor of Economics, University West, Trollhättan, Sweden

Borje Johansson
Professor of Economics, Jonkoping International Business School, Jonkoping University and Director, CESIS (Centre of Excellence for Science and Innovation Studies), Royal Institute of Technology, Stockholm, Sweden

Roger R. Stough
Vice President for Research and Economic Development, NOVA Endowed Chair and Professor of Public Policy, George Mason University, USA

NEW HORIZONS IN REGIONAL SCIENCE

Edward Elgar
Cheltenham, UK • Northampton, MA, USA
Contents

List of contributors vii
Preface ix

Introduction: the rise of regions: innovation, agglomeration and regional competition 1
Borje Johansson, Charlie Karlsson and Roger R. Stough

PART 1 INNOVATION, AGGLOMERATION AND LOCATION

1 Regional interaction and economic diversity: exploring the role of geographically overlapping markets for a municipality's diversity in retail and durables 19
Martin Andersson and Johan Klaesson

2 Regions in competition and cooperation: opportunities for cross-border collaboration in support of Irish micro-enterprises 38
Jim Bell, Denise Crossan, Patrick Ibbotson and Fred Scharf

3 Ownership; succession and entrepreneurship in an ageing society: is there a transition problem? 57
Per-Olof Bjuggren and Daniel Wiberg

4 Telecommunications and regional disparities in an era of globalization: from conceptual issues to measurable policy impacts 77
Roberta Capello

5 Spatial policies, planning and urban competitiveness: the particular case of London 106
Paul Cheshire

6 Regional R&D outsourcing in bioscientific industries 138
Philip Cooke

7 Towards new European peripheries? 170
Juan R. Cuadrado-Roura

8 Elements of a knowledge network learning model 198
Kingsley E. Haynes and Hiroyuki Shibusawa
PART 2  REGIONAL COMPETITION

9  Is competition between regions welfare-increasing? 211
Gerhard C. Geerdink and Peter J. Stauvermann

10  Accessibility to R&D and patent production 231
Urban Grdsjo

11  Location of new industries: the ICT sector 1990-2000 261
Borje Johansson and Thomas Paulsson

12  Agency control mechanisms and innovative effort 294
Raquel Ortega-Argiles, Rosina Moreno and Jordi Surinach Caralt

13  Science-based regional development in a small region: scope of collective action for regional governments 325
Knut Koschaizky

14  Agglomeration economies and firm growth: testing for spatial externalities in the Dutch ICT industry 346
Frank G. van Oort and Erik Stam

15  Competition and cooperation in economic development among local jurisdictions in a large urban area 375
Roger R. Stough, Rajendra Kulkarni and Jean H.P. Paelinck

Index 397