# Innovation, Agglomeration and Regional Competition

Edited by

#### Charlie Karlsson

Professor of the Economics of Technological Change and Director of CISEG (Centre for Innovation Systems, Entrepreneur ship and Growth), Jonkoping International Business School, Jonkoping University and Guest Professor of Economics, University West; Trollhdttan, 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

	face ,	vii ix
regi	roduction: the rise of regions: innovation, agglomeration and onal competition  rije Johansson, Charlie Karlsson and Roger R. Stough	1
PAl	RT 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  Martin Andersson and Johan Klaesson	19
2	Regions in competition and cooperation: opportunities for cross-border collaboration in support of Irish micro-	
2	enterprises  Jim Bell, Denise Crossan, Patrick Ibbotson and Fred Scharf	38
3	Ownership; succession and entrepreneurship in an ageing society: is there a transition problem?  Per-Olof Bjuggren and Daniel Wiberg	57
4	Telecommunications and regional disparities in an era of globalization: from conceptual issues to measurable policy impacts  Roberta Capello	77
5	Spatial policies, planning and urban competitiveness: the particular case of London  Paul Cheshire	106
6	Regional R&D outsourcing in bioscientific industries  Philip Cooke	138
7	Towards new European peripheries?  Juan R. Cuadrado-Roura	170
8	Elements of a knowledge network learning model  Kingsley E. Haynes and Hiroyuki Shibusawa	198

#### 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	
Ind	Index	
		. 39'