Handbook of Research on Cluster Theory

Edited by

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

HANDBOOKS OF RESEARCH ON CLUSTERS SERIES, 1

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

<table>
<thead>
<tr>
<th>Contributors</th>
<th>vii</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preface</td>
<td>xvi</td>
</tr>
</tbody>
</table>

1 Introduction  
*Charlie Karlsson*

## PART ONE AGGLOMERATION AND CLUSTER THEORY

2 Agglomeration economics  
*Philip McCann*

3 The analysis of location, colocation and urbanization economies  
*Börje Johansson and Ulla Forslund*

4 The knowledge spillover theory of entrepreneurship and spatial clusters  
*David B. Audretsch and T. Taylor Aldridge*

5 Knowledge-based clusters: regional multiplier models and the role of 'buzz' and 'pipelines'  
*Harald Bathelt*

6 Clusters formation from the ‘bottom-up’: a process perspective  
*Andrew Atherton and Andrew Johnston*

7 Cluster life-cycles: an emerging synthesis  
*Edward M. Bergman*

8 Clustering in space versus dispersing over space  
*Karen R. Polenske*

## PART TWO CLUSTER RESEARCH METHODS

9 Industrial clusters in the input–output economic system  
*Michael Sonis, Geoffrey J.D. Hewings and Dong Guo*

10 Clustering using wavelet transformation  
*Abdullah Almasri and Ghazi Shukur*

## PART THREE CLUSTERS IN DIFFERENT SPATIAL CONTEXTS

11 Industrial districts: theoretical and empirical insights  
*Giulio Cainelli*

12 Cluster renewal in old industrial regions: continuity or radical change?  
*Micahela Trippl and Franz Tödtling*
vi  Handbook of research on cluster theory

13 The reciprocal relationship between transnationals and clusters: a literature review
Filip De Beule, Daniël Van Den Bulcke and Haiyan Zhang 219

14 Diversity and the case against specialized clusters
Pierre Desrochers, Frédéric Sautet and Gert-Jan Hospers 234

PART FOUR SECTORAL CLUSTERS

15 Clustering in financial services
Naresh R. Pandit, Gary A.S. Cook and G.M. Peter Swann 249

16 Spatial clustering of culture
David Emanuel Andersson and Åke E. Andersson 261

17 Clustering in the broadcasting industry
Gary A.S. Cook and Naresh R. Pandit 274

18 Tourism clusters
Ewen J. Michael 292

Index 305