## Contents

*List of contributors* vii

**Introduction**

*Sarfraz A. Mian* 1

**PART I LARGE DEVELOPED COUNTRIES**

1 Science and technology based regional entrepreneurship in the USA: the evolution of national and state policies and programs

*Sarfraz A. Mian and Walter H. Plosila* 19

2 New directions in Japan’s regional innovation and entrepreneurship policy: an emerging concept of clusters as seen in the TAMA project

*Toshihiro Kodama* 47

3 Stimulating regional innovation and entrepreneurship: the UK policy framework

*Helen Lawton Smith* 74

4 Promoting science and technology based entrepreneurship through regional innovation networks: the German experience

*Holger Patzelt and Heinz Klandt* 96

5 Science and technology based entrepreneurship in France: towards a regionalized neo-Colbertism

*Alain Fayolle and Olivier Torrès* 108

6 Innovation and science and technology based entrepreneurship in Italy: structural problems and policy challenges

*Guido Corbetta and Alexandra Dawson* 125

7 Science and technology based entrepreneurship in Spain: public policies, development programmes and the role of universities

*Jaume Valls-Pasola and Xavier Triado* 143

8 Regional innovation policy in South Korea: building science and technology based entrepreneurial development capabilities

*Kee-Bom Nahm* 160
# PART II  SMALLER DEVELOPED COUNTRIES

9 Emergence of the Swedish innovation system and the support for regional entrepreneurship: a socioeconomic perspective 187  
*Carl-Otto Frykfor* and *Magnus Klofsten*

10 Building entrepreneurial platforms and innovative hotspots: science and technology based regional development in the Netherlands 209  
*Willem Hulsink, Jolanda Hessels and Kashifa Suddle*

11 Science and technology based entrepreneurial support in Australia’s ‘second tier innovator economy’ 234  
*Kevin Hindle and John Yencken*

12 The dynamism of Singapore’s science and technology policy and its quest for technopreneurship 256  
*Poh Kam Wong*

13 Taiwan’s industrial innovation policy and programs to support research and technology based entrepreneurship 286  
*Jiann-Chyuan Wang and Daw Ma*

14 The Israel case of science and technology based entrepreneurship: an exploration cluster 306  
*Uzi de Haan*

# PART III  LARGE EMERGING ECONOMY COUNTRIES

15 China’s emerging innovation system: the interplay between the science and technology policy and technology entrepreneurship 329  
*Jian Gao, Xielin Liu and Marina Yue Zhang*

16 Micro and small enterprise based innovative entrepreneurship and the development of local productive systems in Brazil 361  
*Ana Arroio, José E. Cassiolato and Helena Lastres*

17 Science, technology and regional entrepreneurial growth in India: the case of the software industry 388  
*Jay Mitra and Ganesh Natarajan*

18 Pakistan: facing the challenge of science and technology driven entrepreneurial take-off 416  
*Syed Zahoor Hassan*

19 The South African science, technology and innovation environment and its impact on entrepreneurial development 443  
*Gideon Maas and Sandra Musengi*

*List of acronyms and abbreviations* 459

*Index* 471