Contents

List of contributors vii

Introduction 1

Sarfraz A. Mian

PART I LARGE DEVELOPED COUNTRIES

1 Science and technology based regional entrepreneurship in the USA: the evolution of national and state policies and programs 19

Sarfraz A. Mian and Walter H. Plosila

2 New directions in Japan’s regional innovation and entrepreneurship policy: an emerging concept of clusters as seen in the TAMA project 47

Toshihiro Kodama

3 Stimulating regional innovation and entrepreneurship: the UK policy framework 74

Helen Lawton Smith

4 Promoting science and technology based entrepreneurship through regional innovation networks: the German experience 96

Holger Patzelt and Heinz Klandt

5 Science and technology based entrepreneurship in France: towards a regionalized neo-Colbertism 108

Alain Fayolle and Olivier Torrès

6 Innovation and science and technology based entrepreneurship in Italy: structural problems and policy challenges 125

Guido Corbetta and Alexandra Dawson

7 Science and technology based entrepreneurship in Spain: public policies, development programmes and the role of universities 143

Jaume Valls-Pasola and Xavier Triado

8 Regional innovation policy in South Korea: building science and technology based entrepreneurial development capabilities 160

Kee-Bom Nahm
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