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
    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
Science and technology based regional entrepreneurship

PART II  SMALLER DEVELOPED COUNTRIES

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