

# Handbook of Research on Techno-Entrepreneurship

**THIRD EDITION**

**Ecosystems, Innovation and Development**

*Edited by*

**Francois Therin**

*Taylor's University, Malaysia*

**Francesco Paolo Appio**

*SKEMA Business School, Universite Cote d'Azur, France*

**Hyungseok Yoon**

*The University of Leeds, UK*

**L<sup>1</sup> L<sup>1</sup> Edward Elgar**

**PUBLISHING**

Cheltenham, UK • Northampton, MA, USA

# Contents

<i>About the editors</i>	vii
<i>List of contributors</i>	ix
<i>Introduction to the Handbook of Research on Techno-Entrepreneurship, Third Edition</i>	xii
<b>PART I CONCEPTUALISATION</b>	
1 <i>Technological embeddedness as a determinant of techno-entrepreneurship</i> <i>Sang-Joon Kim and Juil Lee</i>	2
<b>PART II NEW CATEGORIES OF ENTREPRENEURSHIP</b>	
2 <i>Reverse innovation: review of a decade</i> <i>Max von Zedtwitz and Marine Hadengue</i>	26
3 <i>Modes and routines of frugal innovation: an examination on the basis of the auto components industry</i> <i>Rajnish Tiwari and Stephan Bergmann</i>	46
4 <i>The interplay of technology entrepreneurs and regulation in a new industry: the case of the drone industry</i> <i>Ferran Giones, Kerem Gurses and Alexander Brem</i>	73
5 <i>Unveiling women entrepreneurship in technology ventures: gendered organization and gendered society interactions</i> <i>Dilek Cetindamar and Berna Beyhan</i>	92
<b>PART III ECOSYSTEMS</b>	
6 <i>Techno-entrepreneurship development support in theory and practice: the case of incubators and accelerators in Canada</i> <i>Fabiano Armellini, Cynthia Dega, Angie Garcia and Franciso Machado</i>	125

- 1 Crowdfunding as a tool for innovation marketing: technology entrepreneurship commercialization strategies 156  
*Ferran Giones and Alexander Brem*
- 8 Fostering techno-entrepreneurship and open innovation practices in innovation ecosystems – the case of Nokia 175  
*Jarkko Pellikka and Timo Ali-Vehmas*
- 9 Digital technologies, techno-entrepreneurship and regional ecosystems: the case of The Net Value 201  
*Moreno Frau and Ludovica Moi*

#### PART IV ACADEMIC ENTREPRENEURSHIP

- 10 Research-based spin-offs as agents of knowledge dissemination: evidence from the analysis of innovation networks 229  
*Oscarina Conceicao, Cristina Sousa and Margarida Pontes*
- 11 Individual innovativeness as a driver of career success: academic techno-experts in an entrepreneurial ecosystem 251  
*Anna-Maija Nisula and Heidi Olander*

#### PART V COUNTRY-SPECIFIC ENTREPRENEURSHIP

- 12 SME techno-entrepreneurship: drivers and barriers in sub-Saharan Africa 277  
*Olayinka David-West, Omotayo Muritala, Immanuel Ovemeso Umukoro*
- 13 Entrepreneurship, technological knowledge and industrial heterogeneity: evidence from Italian NUTS 3 regions 299  
*Alessandra Colombelli, Gianluca Orsatti and Francesco Quattraro*
- 14 Nurturing start-ups in South Korea 329  
*Gyewan Moon*
- 15 Understanding the dynamics of entrepreneurial ecosystems: evidence from a longitudinal case study 350  
*Maria Cristina Cinici, Valeria Schifilliti and Fabrizio Cesaroni*