## **Contents**

Par	t I Overview	
1	Universities and the Knowledge Society: An Introduction	3
2	The Transformation of Universities in Response to the Imperatives of a Knowledge Society	15
3	Higher Education in the Era of Knowledge Economy Olga Bain and William Cummings	33
4	The Academic Profession in the Knowledge-Based Society (APIKS): Evolution of a Major Comparative Research Project	49
Par	t II Systems of Innovation and Higher Education	
5	Higher Education and the Knowledge Society  Agenda in Uganda  Florence Ndibuuza, Patrício V. Langa, and Ronald Bisaso	67
6	Higher Education and Investment in Knowledge: A Perspective from Talent Policies in Mainland China Hong Shen and Jinwen Luo	83
7	Recalibrating After Two Decades of Rapid Expansion: The Pursuit of Excellence Amid Declining Enrollment in Taiwan	103

viii Contents

8	Changing Policies of Research, Development, and Innovation and the Characteristics of Academics in Japan	123
9	Higher Education in the National Research System in South Korea	145
10	Recent Science and Technology Policies in Turkey: The Shifting Role and Profile of the National Higher Education System.  Baris Uslu, Alper Calikoglu, Fatma Nevra Seggie, Sedat Gumus, and Yasar Kondakci	165
11	Research and Higher Education in Russia:  Moving Closer Together	183
12	The Role of Universities in the Knowledge-Based Society in Lithuania Liudvika Leišytė, Anna-Lena Rose, Rimantas Želvys, and Sude Pekşen	203
13	Academic Profession for Knowledge Society in Estonia  Eve Mägi, Eneli Kindsiko, and Maarja Beerkens	221
14	Higher Education and the Knowledge Economy:  Economic Higher Education Policies and the Persistence of the German Research and Development System  Nicolai Götze	237
15	A Portuguese Tale on Knowledge-Based Society: Narrowing Bonds Between Higher Education and the Innovation System	257
16	The Role of Finnish Higher Education in the Innovation and Research System Timo Aarrevaara and Ville Pietiläinen	277
17	The Interplay of Higher Education, Research, and Innovation in Sweden	297
18	University, Research, and Innovation in Argentina:  A Winding Road to the Knowledge Society	319
19	The Development of the Research Capabilities of Chilean Faculty	339

Contents ix

20	Higher Education, Science, Technology, and Academics in México: At a Crossroads	357
	Etty Haydeé Estévez-Nenninger, Angel Alberto Valdés-Cuervo, Edgar Oswaldo González-Bello, Juan Pablo Durand-Villalobos, Marion Lloyd, Jorge Gregorio Martínez-Stack, and Lizeth Guadalupe Parra-Pérez	
21	Canada: The Role of the University Sector in National Research and Development	375
22	The Emerging Role of American Universities in the Twenty-First-Century Knowledge Society	393
Par	t III Conclusion	
23	Comparing Systems of Research and Innovation: Shifting Contexts for Higher Education	
	and the Academic Profession	415
Ind	ex	429