

Contents

<i>List of Figures</i>	<i>page viii</i>
<i>List of Contributors</i>	<i>ix</i>
<i>Preface</i>	<i>xi</i>
1 <b>Artificial Intelligence and International Economic Law: A Research and Policy Agenda</b>	<b>1</b>
Shin-yi Peng, Ching-Fu Lin, and Thomas Streinz	
<b>PART I    SYSTEMIC SHIFTS IN THE GLOBAL ECONOMIC ORDER</b>	
2 <b>Trade Law in a Data-Driven Economy: The Need for Modesty and Resilience</b>	<b>29</b>
Gregory Shaffer	
3 <b>Global Law in the Face of Datafication and Artificial Intelligence</b>	<b>54</b>
Rolf H. Weber	
4 <b>Trading Artificial Intelligence: Economic Interests, Societal Choices, and Multilateral Rules</b>	<b>70</b>
Dan Ciuriak and Vlada Rodionova	
<b>PART II    RECONCEPTUALIZING WORLD TRADE ORGANIZATION LAW FOR THE ARTIFICIAL INTELLIGENCE ECONOMY</b>	
5 <b>Trade Rules for Industry 4.0: Why the Technical Barriers to Trade Agreement Matters Even More</b>	<b>97</b>
Aik Hoe Lim	
6 <b>Autonomous Vehicle Standards under the Technical Barriers to Trade Agreement: Disrupting the Boundaries?</b>	<b>121</b>
Shin-yi Peng	

7	<b>Convergence, Complexity and Uncertainty: Artificial Intelligence and Intellectual Property Protection</b> Bryan Mercurio and Ronald Yu	139
8	<b>Are Digital Trade Disputes “Trade Disputes”?</b> Yuka Fukunaga	155
<b>PART III DATA REGULATION AS ARTIFICIAL INTELLIGENCE REGULATION</b>		
9	<b>International Economic Law’s Regulation of Data as a Resource for the Artificial Intelligence Economy</b> Thomas Streinz	175
10	<b>Data Protection and Artificial Intelligence: The European Union’s Internal Approach and Its Promotion through Trade Agreements</b> Alan Hervé	193
11	<b>Data Portability in a Data-Driven World</b> Frederike Zufall and Raphael Zingg	215
<b>PART IV INTERNATIONAL ECONOMIC LAW LIMITS TO ARTIFICIAL INTELLIGENCE REGULATION</b>		
12	<b>Public Morals, Trade Secrets, and the Dilemma of Regulating Automated Driving Systems</b> Ching-Fu Lin	237
13	<b>International Trade Law and Data Ethics: Possibilities and Challenges</b> Neha Mishra	255
14	<b>Disciplining Artificial Intelligence Policies: World Trade Organization Law as a Sword and a Shield</b> Kelly K. Shang and Rachel R. Du	274
<b>PART V RECONFIGURATION OF INTERNATIONAL ECONOMIC LAW</b>		
15	<b>Across the Great Wall: E-commerce Joint Statement Initiative Negotiation and China</b> Henry Gao	295

Contents vii

16	<b>The Next Great Global Knowledge Infrastructure Land Rush Has Begun: Will the USA or China Prevail?</b>	319
	Jane K. Winn and Yi-Shyuan Chiang	
17	<b>Trade Law Architecture after the Fourth Industrial Revolution</b>	337
	Lisa Toohey	