Contents

Part	I Socio-Humane Sciences of New Technology	
1	Risk and the Regulation of New Technologies	3
2	Gradation of Causation and Responsibility: Focusing on "Omission"	19
3	Ockham's Proportionality: A Model Selection Criterion for Levels of Explanation	47
Part	II Reproductive Technology and Life	
4	Enforcing Legislation on Reproductive Medicine with Uncertainty via a Broad Social Consensus	69
5	Gene Editing Babies in China: From the Perspective of Responsible Research and Innovation	87
6	Posthumously Conceived Children and Succession from the Perspective of Law	111
7	Aristotle and Bioethics	135
8	Reinterpreting Motherhood: Separating Being a "Mother" from Giving Birth	153

Part	t III Environmental Technology		
9	Domains of Climate Ethics Revisited	173	
10	Electricity Market Reform in Japan: Fair Competition and Renewable Energy	201	
11	Renewable Energy Development in Japan Kenji Takeuchi and Mai Miyamoto	217	
12	Adverse Effects of Pesticides on Regional Biodiversity and Their Mechanisms	235	
13	Reconsidering Precautionary Attitudes and Sin of Omission for Emerging Technologies: Geoengineering and Gene Drive Atsushi Fujiki	249	
Part IV Science and Society			
14	Exploring the Contexts of ELSI and RRI in Japan: Case Studies in Dual-Use, Regenerative Medicine, and Nanotechnology Ken Kawamura, Daisuke Yoshinaga, Shishin Kawamoto, Mikihito Tanaka, and Ryuma Shineha	271	
15	Global Climate Change and Uncertainty: An Examination from the History of Science	291	