Contents

Preface	v
Marianne Boenink, Anne Dijkstra,	
Bärbel Dorbeck-Jung and Kornelia Konrad	
Shaping Emerging Technologies Kornelia Konrad, Christopher Coenen, Anne Dijkstra, Colin Milburn and Harro van Lente	1
Part I: Engagements	
Convergence and Crossovers in Interdisciplinary Engagement with Science and Technology	7
Michael E. Gorman and Daan Schuurbiers	
Maintaining Reasonableness: How Facilitators Can Improve the Quality of Public Deliberation on New and Emerging Science and Technology Koen Dortmans and Tsjalling Swierstra	21
NANO Supermarket: Using Speculative Design to Catalyze a Technology Debate Koert M. van Mensvoort, Stef Wouters and Casper Vos	35
Emerging Responsibilities: Brazilian Nanoscientists' Conceptions of Responsible Governance and Social Technology Practices Paulo F. C. Fonseca and Tiago Santos Pereira	49
Diffusion and Policy Learning in the Nanotechnology Field: Movement Actors and Public Dialogues in Germany and France Franz Seifert	67
Part II: Regulatory Governance	
How Can We Characterize Nano-Specific Soft Regulation? Lessons From Occupational Health and Safety Governance Aline Reichow and Bärbel Dorbeck-Jung	83
A Rights-Based Model of Governance: The Case of Human Enhancement and the Role of Ethics in Europe Daniele Ruggiu	10

Incentivizing Innovation and Serving the Public Good: Extending the Patent Regime to Nanotechnology in India and Sri Lanka Indrani Barpujari	117
Setting Useful Nanotechnology Definitions Examined from the Standpoint of Central and Peripheral Claim Language Used in Intellectual Property Law Frederick C. Klaessig	127
Part III: Innovation	
The Making of an Indigenous STM: Technological Jugaad as a Culture of Innovation in India Pankaj Sekhsaria	137
Indications of Socio-Economic Impacts of Nanotechnologies: The Approach of Impact Pathways Douglas K. R. Robinson and Arie Rip	153
Corporate Strategies in Emerging Technologies: The Case of Chinese Firms and Energy Storage-Related Nanotechnology Applications <i>Luciano Kay and Jan Youtie</i>	167
Part IV: Discourse	
Horizons of Care: From Future Imaginaries to Responsible Research and Innovation Christopher Groves	185
Collapsing Scale: Nanotechnology and Geoeningeering as Speculative Media Zach Horton	203
Zombies, Brains, Collapsing Boundaries, and Entanglements Maryse de la Giroday	219
Articulation of Sustainability in Nanotechnology: Funnels of Articulation Colette Bos, Alexander Peine and Harro van Lente	231
Contributors	243