

# Contents

|   |            |
|---|------------|
| <b>Introduction: Berlin Keys to the Sociology of Technology . . . . .</b>   | <b>1</b>   |
| Cornelius Schubert and Ingo Schulz-Schaeffer  |            |
| <br><b>Part I Distributed Action and the Agency of Things</b>   |            |
| <b>Technology and Action. A Theory of Action Analysis . . . . .</b>   | <b>9</b>   |
| Ingo Schulz-Schaeffer   |            |
| <b>Technology, Action and Practice: The Concept of Gradual Action<br/>Revisited . . . . .</b>   | <b>37</b>  |
| Ingo Schulz-Schaeffer and Werner Rammert  |            |
| <b>The Analysis of the Reflexive Institutionalization of Technology<br/>as Part of Empirical Research on Differentiation . . . . .</b>                                      | <b>69</b>  |
| Gesa Lindemann  |            |
| <b>Technical and Human Embodiments of the Social . . . . .</b>  | <b>95</b>  |
| Werner Rammert and Cornelius Schubert   |            |
| <br><b>Part II Innovation as an Object and a Question</b>   |            |
| <b>Fragmental Differentiation as a Diagnosis of Society: What Is<br/>Behind the Increasing Orientation Towards Innovation, Granularity<br/>and Heterogeneity? . . . . .</b> | <b>129</b> |
| Jan-Hendrik Passoth and Werner Rammert  |            |
| <b>The Undercomplexity of Higher Education Policy Innovations . . . . .</b>   | <b>161</b> |
| Jochen Gläser and Grit Laudel   |            |

---

|   |            |
|---|------------|
| <b>Analysing Innovation Biographies: The Example of Electron Microscopy . . . . .</b>                                     | <b>183</b> |
| Eric Lettkemann   |            |
| <b>Stabilization and Self-Description: Innovation as an Element of Sociological Theory . . . . .</b>                      | <b>217</b> |
| Holger Braun-Thürmann and René John   |            |
| <br><b>Part III Heterogeneous Socio-Technical Assemblies</b>  |            |
| <b>Do Pictures Have Agency? Reflections on the Agency of Things in the Light of Works of Art and Image Acts . . . . .</b> | <b>233</b> |
| Gustav Roßler   |            |
| <b>An Institutional Field as a Heterogeneous Innovation Context: The Example of Social Robotics . . . . .</b>             | <b>261</b> |
| Martin Meister  |            |
| <b>Surveying? Data Shadows and Shadow Bodies of Self-Measurement . .</b>  | <b>299</b> |
| Jörg Strübing   |            |
| <b>Usability is Not a Quality of Technology . . . . .</b>   | <b>317</b> |
| Valentin Janda  |            |