

CONTENTS

| | |
|------------------------|----|
| <i>Preface</i> | ix |
| <i>Acknowledgments</i> | xv |

PART I: Moral and Legal Responsibility

1. Autonomous Vehicles and Moral Uncertainty—VIKRAM BHARGAVA and TAE WAN KIM 5
2. Ethics Settings for Autonomous Vehicles—JASON MILLAR 20
3. Autonomy and Responsibility in Hybrid Systems: The Example of Autonomous Cars—WULF LOH and JANINA LOH 35
4. Imputing Driverhood: Applying a Reasonable Driver Standard to Accidents Caused by Autonomous Vehicles—JEFFREY K. GURNEY 51
5. Liability for Present and Future Robotics Technology—TREVOR N. WHITE and SETH D. BAUM 66
6. Skilled Perception, Authenticity, and the Case Against Automation—DAVID ZOLLER 80

PART II: Trust and Human–Robot Interactions

7. Could a Robot Care? It's All in the Movement—DARIAN MEACHAM and MATTHEW STUDLEY 97
8. Robot Friends for Autistic Children: Monopoly Money or Counterfeit Currency?—ALEXIS ELDER 113

9. Pediatric Robotics and Ethics: The Robot Is Ready to See You Now, but Should It Be Trusted?—JASON BORENSTEIN, AYANNA HOWARD, and ALAN R. WAGNER 127
10. Trust and Human–Robot Interactions—JESSE KIRKPATRICK, ERIN N. HAHN, and AMY J. HAUFLER 142
11. White Lies on Silver Tongues: Why Robots Need to Deceive (and How)—ALISTAIR M. C. ISAAC and WILL BRIDEWELL 157
12. “Who’s Johnny?” Anthropomorphic Framing in Human–Robot Interaction, Integration, and Policy—KATE DARLING 173

PART III: *Applications: From Love to War*

13. Lovotics: Human–Robot Love and Sex Relationships—ADRIAN DAVID CHEOK, KASUN KARUNANAYAKA, and EMMA YANN ZHANG 193
14. Church–Turing Lovers—PIOTR BOŁTUĆ 214
15. The Internet of Things and Dual Layers of Ethical Concern—ADAM HENSCHKE 229
16. Challenges to Engineering Moral Reasoners: Time and Context—MICHAŁ KLINCEWICZ 244
17. When Robots Should Do the Wrong Thing—BRIAN TALBOT, RYAN JENKINS, and DUNCAN PURVES 258
18. Military Robots and the Likelihood of Armed Combat—LEONARD KAHN 274

PART IV: *AI and the Future of Robot Ethics*

19. Testing the Moral Status of Artificial Beings; or “I’m Going to Ask You Some Questions . . .”—MICHAEL LABOSSIERE 293
20. Artificial Identity—JAMES DIGIOVANNA 307
21. Superintelligence as Superethical—STEVE PETERSEN 322
22. Artificial Intelligence and the Ethics of Self-Learning Robots—SHANNON VALLOR and GEORGE A. BEKEY 338

| | |
|---|-----|
| 23. Robots and Space Ethics—KEITH ABNEY | 354 |
| 24. The Unabomber on Robots: The Need for a Philosophy of Technology Geared Toward Human Ends—JAI GALLIOTT | 369 |
| <i>Editors</i> | 387 |
| <i>Contributors</i> | 389 |
| <i>Index</i> | 397 |