# Contents

*Acknowledgements*  
vii  
*On the contributors*  
ix  
*Foreword by Ian Kerr*  
xi  

Introduction: a multifocal view of human agency in the era of autonomic computing  
MIREILLE HILDEBRANDT  

1 Smart? Amsterdam urinals and autonomic computing  
DON IHDE  

2 Subject to technology: on autonomic computing and human autonomy  
PETER-PAUL VERBEEK  

3 Remote control: human autonomy in the age of computer-mediated agency  
JOS DE MUL AND BIBI VAN DEN BERG  

4 Autonomy, delegation, and responsibility: agents in autonomic computing environments  
ROGER BROWNSWORD  

5 Rethinking human identity in the age of autonomic computing: the philosophical idea of trace  
MASSIMO DURANTE  

6 Autonomic computing, genomic data and human agency: the case for embodiment  
HYO YOON KANG
Contents

7 Technology, virtuality and utopia: governmentality in an age of autonomic computing 119
ANTOINETTE ROUVROY

8 Autonomic and autonomous ‘thinking’: preconditions for criminal accountability 141
MIREILLE HILDEBRANDT

9 Technology and accountability: autonomic computing and human agency 161
JANNIS KALLINIKOS

10 Of machines and men: the road to identity. Scenes for a discussion 179
STEFANO RODOTÀ

11 ‘The BPI Nexus’: a philosophical echo to Stefano Rodotà’s ‘Of Machines and Men’ 199
PAUL MATHIAS

Epilogue: technological mediation, and human agency as recalcitrance 217
ANTOINETTE ROUVROY

Index 223