

CONTENTS

<i>Preface</i>	<i>ix</i>
<i>Table of cases</i>	<i>x</i>
<i>Table of statutes</i>	<i>xiv</i>
<i>Acknowledgements</i>	<i>xix</i>
1 Introduction to technology law	1
Conceptualising technology law	2
Recent developments in technology law	4
Overview of the text	10
2 Technology, regulation and theory	14
Introduction	15
Regulation	15
Political theory	24
Ethical theory	30
Philosophy of science	33
Conclusion	36
3 Privacy and data protection	37
Introduction	38
Privacy: Concepts and context	38
Australian privacy law	41
International perspectives	57
Conclusion	63
4 Law, technology and healthcare	64
Introduction	65
Fundamental issues	65
Genomics	71
Assisted reproductive technology	78
Developing forms of health technology	83
Conclusion	92

5	Law, technology and commercial transactions	93
	Introduction	94
	Digital currencies	94
	Smart contracts	99
	Online markets and services	101
	Anti-competitive behaviour	103
	Professional and government services	104
	Robotics and regulation	107
	Conclusion	110
6	Law, technology and the criminal justice system	111
	Introduction	112
	Technology-based identification	112
	Fingerprint identification	117
	DNA identification	122
	Facial recognition	132
	Conclusion	138
7	Cybercrime	140
	Introduction	141
	Computer hacking	141
	Online fraud	147
	Cyberterrorism	154
	Cyberwarfare	156
	National security	159
	Conclusion	161
8	Social media and communications	162
	Introduction	163
	Social media	163
	Regulating social media	165
	Online defamation, vilification and incitement to violence	168
	Cyber harassment, stalking and bullying	173
	Illegal and offensive content	178
	Conclusion	182

9 Intellectual property	184
Introduction	185
Patents and computing technologies	186
Copyright and entertainment industries	190
Trade marks and business products	194
Online enforcement of intellectual property rights	196
Conclusion	200
10 International investigation and enforcement	202
Introduction	203
Investigation	203
Jurisdiction and international cooperation	210
Prosecution decision-making	216
Conclusion	219
11 Future directions in technology law	220
Introduction	221
Access, control and risk	222
Conclusion	226
<i>Index</i>	<i>227</i>