

# Contents

<b>1</b>	<b>Introduction: Smart Homes and Their Users</b>	<b>1</b>
1.1	The Smart Home Promise	1
1.2	What About the Users of Smart Home Technologies?	3
1.3	Purpose and Overview of This Book	6
1.4	New Data and Analysis	7
	References	12
<b>2</b>	<b>Analytical Framework for Research on Smart Homes and Their Users</b>	<b>15</b>
2.1	Introduction and Key Questions	15
2.2	Research Themes	16
2.3	Views of the Smart Home	18
2.4	Users and the Use of Smart Homes	21
2.5	User-Centred Challenges for Realising the Smart Home	24
2.6	Analytical Framework for Research on Smart Homes and Their Users	27
2.7	Suggested Further Reading	30
	References	30
<b>3</b>	<b>Perceived Benefits and Risks of Smart Home Technologies</b>	<b>35</b>
3.1	Introduction and Key Questions	35
3.2	Method and Data	36
3.3	Results: Prospective Users' Perceptions of Benefits and Risks	41
3.4	Results: Distinctive Perceptions and Characteristics of Early Adopters	44
3.5	Results: Alignment of Industry Marketing with User Perceptions	47

3.6	Synthesis	49
3.7	Suggested Further Reading	52
	References	53
<b>4</b>	<b>Routines and Energy Intensity of Activities in the Smart Home</b>	<b>55</b>
	L. Stankovic, V. Stankovic, J. Liao and Charlie Wilson	
4.1	Introduction and Key Questions	55
4.2	Method	56
4.3	Data	61
4.4	Results: Time Profile of Activity-Based Electricity Demand	63
4.5	Results: Energy Intensity of Domestic Activities	64
4.6	Results: Routines and Rhythms in Domestic Activities	67
4.7	Results: Activities in Households with Similar Composition	69
4.8	Synthesis	71
4.9	Suggested Further Reading	72
	References	72
<b>5</b>	<b>Domestication of Smart Home Technologies</b>	<b>75</b>
5.1	Introduction and Key Question	75
5.2	Method and Data	77
5.3	Results: Patterns of Use	78
5.4	Results: Household Dynamics	81
5.5	Results: Learning	82
5.6	Results: Domestication Pathways	84
5.7	Synthesis	87
5.8	Suggested Further Reading	89
	References	89
<b>6</b>	<b>Control of Smart Home Technologies</b>	<b>91</b>
6.1	Introduction and Key Question	91
6.2	Method and Data	94
6.3	Results: Artefactual Control	95
6.4	Results: Perceptual Control	97
6.5	Results: Relational Control	99
6.6	Synthesis	101
6.7	Suggested Further Reading	103
	References	104
<b>7</b>	<b>Conclusions and Implications for Industry, Policy and Research</b>	<b>107</b>
7.1	Summary of Key Insights	107
7.2	The Importance of Cross-Cutting, Integrative Research on Smart Homes and Their Users	110

7.3 Implications for Industry . . . . . 115

7.4 Implications for Policy . . . . . 117

7.5 Implications for Research . . . . . 119

References . . . . . 121

Smart Homes and Their Users

Hargreaves, T.; Wilson, C.

2017, XIX, 122 p. 19 illus., 17 illus. in color., Softcover

ISBN: 978-3-319-68017-0