Contents

List	of Figures	vii
List of Tables		xi
About the Editors		xiii
List of Contributors		xv
Foreword		xvii
Ackn	owledgements	xix
1	Introduction: The Promise and Perils of New Technology Drew Dawson, Chris Bearman, Anjum Naweed and Gareth Hughes	1
2	Key Technology-Related Human Factors Issues Chris Bearman	9
3	Resistance to Technology Janette Rose and Chris Bearman	23
4	Effective User Feedback: The Practical Value of Mock-ups Gareth Hughes, Airdrie Long, Anne Maddock and Chris Bearman	55
5	Qualitative Research Rules: Using Qualitative and Ethnographic Methods to Access the Human Dimensions of Technology Kirrilly Thompson	75
6	Future Inquiry: A Participatory Ergonomics Approach to Evaluating New Technology Verna Blewett and Andrea Shaw	111
	and the second	
7	Using Task Analysis to Inform the Development and Evaluation of New Technologies Janette Rose, Chris Bearman and Anjum Naweed	125
8	Evaluating Your Train Simulator Part I: The Physical Environment Anjum Naweed, Ganesh Balakrishnan and Jillian Dorrian	167

Index

9	Evaluating Your Train Simulator Part II: The Task	211
	Environment Jillian Dorrian and Anjum Naweed	
10	Applying the Theories and Measures of Situation Awareness to the Rail Industry Janette Rose, Chris Bearman and Anne Maddock	257
Indo		307