Contents

Design Thinking Research	1
Part I Design Thinking Research in the Context of Co-located Teams	
Assessing d.learning: Capturing the Journey of Becoming a Design Thinker	13
	35
Birgit Jobst, Eva Köppen, Tilmann Lindberg, Josephine Moritz, Holger Rhinow, and Christoph Meinel	
Prototyping Dynamics: Sharing Multiple Designs Improves Exploration, Group Rapport, and Results	47
Towards a Paradigm Shift in Education Practice: Developing	71
"I Use It Every Day": Pathways to Adaptive Innovation After Graduate Study in Design Thinking	95

viii Contents

Part II	Design Thinking Research in the Context
	of Distributed Teams

Tele-Board in Use: Applying a Digital Whiteboard System in Different Situations and Setups	109
Raja Gumienny, Lutz Gericke, Matthias Wenzel, and Christoph Meinel	
Applied Teamology: The Impact of Cognitive Style Diversity on Problem Reframing and Product Redesign Within Design Teams	127
Qualitative Methods and Metrics for Assessing Wayfinding and Navigation in Engineering Design	151
Part III Design Thinking Research in the Context of Embedded Business Teams	
The Designer Identity, Identity Evolution, and Implications on Design Practice	185
AnalyzeD: A Virtual Design Observatory, Project Launch Year	197
When Research Meets Practice: Tangible Business Process Modeling at Work	211
Towards a Shared Repository for Patterns in Virtual Team Collaboration	231
Adopting Design Practices for Programming	247
Virtual Multi-User Software Prototypes III	263
What Can Design Thinking Learn from Behavior Group Therapy?	285