

Contents

Communicative AI in (Inter-)Action: An Introduction

Florian Muhle, Indra Bock 7

Part I: Social Robots in (Inter-)Action

Programming Engagement: Shaping Human-Robot-Public Interaction in a Smart City Robot Competition

Carlos Cuevas-Garcia, Cian O'Donovan 27

Towards Placing Service Robots in Elderly Care Facilities

Rosalyn M. Langedijk, Kerstin Fischer 55

Part II: Embodied Agents in (Inter-)Action

Mixed Methods for Mixed Realities: The Analysis of Multimodal Interactions With Embodied Conversational Agents

Jonathan Harth 91

Problems and Possibilities of Interaction With MAX

Investigating the Architecture-for-Interaction
of an Embodied Conversational Agent in a Museum

Florian Muhle, Indra Bock, Henning Mayer 119

Part III: Smart Speakers in (Inter-)Action

VUI-Speak: There Is Nothing Conversational about “Conversational User Interfaces”

Brian L. Due, Louise Lüchow 155

Doing Family on Unfamiliar Terrain
The Constitution and Contestation of Kinship
Between Two Humans, Two Cats, and a Voice Assistant
Miriam Lind179

Part IV: Methodological Issues

On the Use of Videography in HRI
Arne Maibaum, Philipp Graf, René Tuma213

Studying Interaction Indirectly
The Relevance of Secondary Data for Studying Human–Robot Interaction Empirically
Dafna Burema..... 245

Conclusion

**On the Specifics of Contemporary Forms
and Problems of Human–Machine Communication: Concluding Remarks**
Florian Muhle, Indra Bock..... 259

Authors 267