

Contents

Introduction

Cultural Robotics: Robots as Participants and Creators of Culture	3
<i>Belinda J. Dunstan, David Silvera-Tawil, Jeffrey T.K.V. Koh, and Mari Velonaki</i>	

Culture Affecting the Design, Application and Evaluation of Robots

Cultural Difference in Back-Imitation's Effect on the Perception of Robot's Imitative Performance	17
<i>Yasser Mohammad and Toyooki Nishida</i>	
Designing the Appearance of a Telepresence Robot, M4K: A Case Study . . .	33
<i>Hyelip Lee, Yeon-Ho Kim, Kwang-ku Lee, Dae-Keun Yoon, and Bum-Jae You</i>	
The Positive Effect of Negative Feedback in HRI Using a Facial Expression Robot	44
<i>Mauricio Reyes, Ivan Meza, and Luis A. Pineda</i>	
Introducing a Methodological Approach to Evaluate HRI from a Genuine Sociological Point of View.	55
<i>Diego Compagna, Manuela Marquardt, and Ivo Boblan</i>	

Robots as Participants in Culture

Head Orientation Behavior of Users and Durations in Playful Open-Ended Interactions with an Android Robot.	67
<i>Evgenios Vlachos, Elizabeth Jochum, and Henrik Schärfe</i>	
Towards the Design of Robots Inspired in Ancient Cultures as Educational Tools.	78
<i>Christian Penalzoza, Cesar Lucho, and Francisco Cuellar</i>	
Towards Socializing Non-anthropomorphic Robots by Harnessing Dancers' Kinesthetic Awareness.	85
<i>Petra Gemeinboeck and Rob Saunders</i>	
Robots and the Moving Camera in Cinema, Television and Digital Media . . .	98
<i>Chris Chesher</i>	

Robot-Supported Food Experiences: Exploring Aesthetic Plating
with Design Prototypes 107
*Christian Østergaard Laursen, Søren Pedersen, Timothy Merritt,
and Ole Caprani*

Robots as Producers of Culture: Material and Non-material

‘Face Robots’ Onscreen: *Comfortable and Alive* 133
Elena Knox

Robot Opera: A Gesamtkunstwerk for the 21st Century 143
Wade Marynowsky, Julian Knowles, and Andrew Frost

The Performance of Creative Machines 159
Petra Gemeinboeck and Rob Saunders

The Advent of Robotic Culture

Compressorhead: The Robot Band and Its Transmedia Storyworld 175
Alex Davies and Alexandra Crosby

Author Index 191

Cultural Robotics

First International Workshop, CR 2015, Held as Part of
IEEE RO-MAN 2015, Kobe, Japan, August 31, 2015.

Revised Selected Papers

Koh, J.T.K.V.; Dunstan, B.J.; Silvera-Tawil, D.; Velonaki, M.
(Eds.)

2016, VIII, 191 p. 49 illus., Softcover

ISBN: 978-3-319-42944-1