

1. Record Nr.	UNINA9910797985903321
Titolo	Gaze in human-robot communication / / edited by Frank Broz, Heriot-Watt University [and three others]
Pubbl/distr/stampa	Amsterdam ; ; Philadelphia : , : John Benjamins Publishing Company, , [2015] ©2015
ISBN	90-272-6764-2
Descrizione fisica	1 online resource (178 p.)
Collana	Benjamins current topics, , 1874-0081 ; ; volume 81
Disciplina	629.8/92019
Soggetti	Human-robot interaction Gaze - Psychological aspects Robotics - Social aspects Androids
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"These materials were previously published in Interaction studies 14:3 (2013)."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Gaze in Human-Robot Communication; Editorial page; Title page; LCC data; Table of contents; Introduction to the Special Issue on Gaze in human-robot communication; 1. Introduction; 1.1 Gaze in human communication; 1.2 Gaze in human-agent interaction; 1.3 Gaze and human-robot communication; 2. The Special Issue; References; Design of a gaze behavior at a small mistake moment for a robot; 1. Introduction; 2. Data collection; 3. Experiments; 3.1 Hypotheses and predictions about apologies; 3.2 Hypotheses and prediction for friendliness and dissatisfaction 3.2.1 Hypothesis that assumes advantages of looking down3.2.2 Hypothesis that assumes advantages of looking at the other; 3.3 Participants; 3.4 Tasks; 3.5 Robot; 3.6 Conditions; 3.7 Procedure; 3.8 Measurement; 4. Results; 4.1 Verification of prediction 1; 4.2 Verification of prediction 2; 4.3 Verification of prediction 3; 5. Discussion; 5.1 Analysis of free descriptions; 5.2 Responsiveness to mistakes; 6. Conclusion; Acknowledgements; References; Robots can be perceived as goal-oriented agents; 1. Introduction; 2. Methods; 2.1 Subjects; 2.2 Action demonstrators; 2.2.1 The human demonstrator

2.3 The humanoid robot; 2.4 Experimental paradigm; 2.5 Data Analysis; 3. Results; 4. Discussion; Acknowledgments; References; Can infants use robot gaze for object learning?; 1. Introduction; 2. Experiment 1; 2.1 Method; 2.1.1 Participants; 2.1.2 Apparatus; 2.1.3 Stimuli and procedure; 2.1.4 Data analysis; 2.2 Results and discussion; 3. Experiment 2; 3.1 Method; 3.1.1 Participants; 3.1.2 Stimuli and procedure; 3.1.3 Results and discussion; 4. General Discussion; Acknowledgements; References; Interactions between a quiz robot and multiple participants; 1. Introduction
2. Background of this study; 2.1 Cross-cultural communicative differences: Word order; 2.2 Coordination of verbal and non-verbal actions and questioning strategy; 3. The present experiment: A quiz robot in Japanese and English; 3.1 Robot System; 3.2 Experimental setup; 3.3 Experimental stimuli; 4. Initial analysis; 5. Detailed analysis; 5.1 Comparing responses during the keyword (in Q3); 5.2 Comparing responses to tag-part of a tag-question (in Q6); 6. Discussion and Conclusion; Acknowledgement; References; Cooperative gazing behaviors in human multi-robot interaction; 1. Introduction
2. A human multi-robot multimodal interactive paradigm; 2.1 Gaze-Contingent platform; 2.2 Experiment design; 2.3 Hypotheses; 2.4 Experimental procedure; 2.5 Data collection; 2.6 Validation of the gaze-contingent interaction system; 3. Results; 3.1 Eye movements; 3.2 Speech acts; 3.3 Attention dynamics around naming moments; 4. General discussions; 4.1 Gaze cue in human multi-robot interaction; 4.2 Micro-level mutual reflexivity; 5. Conclusion; Acknowledgements; References; Learning where to look Autonomous development of Gaze behavior for natural Human-Robot Interaction; 1. Introduction
2. Reactive Gaze Controller
