Record Nr. UNINA9910765996603321 Autore Funk Michael **Titolo** Robotics in Germany and Japan: philosophical and technical perspectives / / Michael Funk, Bernhard Irrgang (eds.) Peter Lang International Academic Publishing Group, 2014 Pubbl/distr/stampa Frankfurt am Main:,: Peter Lang GmbH,, 2014 **ISBN** 3-653-03976-2 Descrizione fisica 1 online resource (187 p.) Collana Dresden philosophy of technology perspectives, , 1861-423X;; volume 5 Altri autori (Persone) FunkMichael <1985-> IrrgangBernhard Disciplina 629.8/920943 Soggetti Robotics - Germany Robotics - Japan Robotics - Philosophy Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references. Nota di bibliografia Nota di contenuto Cover; Preface; Table of Contents; Introduction; From Fiction to Science: A German-Japanese Era-Project - Walther Ch. Zimmerli; Philosophical Frameworks; Robotics as a Future Vision for HypermodernTechnologies - Bernhard Irrgang; Roboethics and the Synthetic Approach - A Perspective on Roboethics from Japanese Robotics Research - Kohji Ishihara; Humanoid Robots and Human Knowing - Perspectivity and Hermeneutics in Terms of Material Culture - Michael Funk; Technology Assessment; Who is taking over? Technology Assessment of Autonomous (Service) Robots - Michael Decker Popular Culture and Music RobotsRobots in Japanese Popular Culture -Maika Nakao; Understanding the Feasibility and Applicability of the Musician-Humanoid Interaction Research: A Study of the Impression of the Musical Interaction - Jorge Solis & Atsuo Takanishi; Mozart to Robot - Cultural Challenges of Musical Instruments - Michael Funk & Jorg Jewanski; Essays; Android Robots between Service and the Apocalypse

and Humanoid Robots - Kerstin Palatini

of the Human Being - Gerd Grubler; Joseph Weizenbaum, Responsibility

Social Stereotypes as a Guarantee for Proper Human-Robot Interaction?

Sommario/riassunto

Remarks to an Anthropomorphic Robot Design - Manja Unger-ButtnerAuthors and Contact

Germany and Japan are two of the worldwide leading countries in robotics research. Robotics as a key technology introduces technical as well as philosophical and cultural challenges. How can we use robots that have a human-like appearance in everyday life? Are there limits to technology? What are the cultural similarities and differences between Germany and Japan? These are some of the questions which are discussed in the book. Five chapters comprehend an intercultural and interdisciplinary framework including current research fields like Roboethics, Hermeneutics of Technologies, Technology As