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| 1. Record Nr.           | UNINA9910788817703321   |
| Titolo                  | Robots that talk and listen : technology and social impact // edited by Judith A. Markowitz   |
| Pubbl/distr/stampa      | Berlin, Germany : , : De Gruyter, , 2015<br>©2015   |
| ISBN                    | 1-61451-915-3<br>1-61451-440-2  |
| Descrizione fisica      | 1 online resource (358 p.)  |
| Disciplina              | 629.8/926454  |
| Soggetti                | Robotics - Human factors<br>Robotics - Moral and ethical aspects<br>Technological innovations - Social aspects  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Description based upon print version of record.   |
| Nota di bibliografia    | Includes bibliographical references and index.  |
| Nota di contenuto       | Front matter -- Contents -- List of contributing authors -- Preface -- Part I: Images -- Part II: Frameworks and Guidelines -- Part III: Learning -- Part IV: Design -- Part V: Conclusion -- Index   |
| Sommario/riassunto      | Robots That Talk and Listen provides a forward-looking examination of speech and language in robots from technical, functional, and social perspectives. Contributors address cultural foundations as well as the linguistic skills and technologies that robots need to function effectively in real-world settings. Among the most difficult and complex is the ability to understand and use language. Speech-enabled automata are already serving as interactive toys, teacher's aides, and research assistants. These robots will soon be joined by personal companions, industrial co-workers, and military support automata. The social impact of these and other robots extends well beyond the specific tasks they perform. Contributors tackle the most knotty of those issues, notably acceptance of advanced, speech-enabled robots and developing ethical and moral controls for robots. Topics in this book include: • Language and Beyond: The True Meaning of "Speech Enabled" • Robots in Myth and Media • Enabling Robots to Converse • Language Learning by Automata • Handling Noisy Settings • Empirical |

Studies of Robots in Real-World Environments • Acceptance of  
Intelligent Robots • Managing Robots that Can Lie and Deceive •  
Envisioning a World Shared with Intelligent Robots

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