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Altri autori (Persone)	RickheitGert WachsmuthIpke
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Front matter -- Contents -- Introduction -- The constitution of meaning in situated communication -- Processing instructions -- Visually grounded language processing in object reference -- Psycholinguistic experiments on spatial relations using stereoscopic presentation -- Deictic object reference in task-oriented dialogue -- Computational models of visual tagging -- Neurobiological aspects of meaning constitution during language processing -- Neuroinformatic techniques in cognitive neuroscience of language -- Situated interaction with a virtual human - perception, action, and cognition -- Integrated perception for cooperative human-machine interaction -- Architectures of situated communicators: From perception to cognition to learning -- A systems framework of communicative understanding -- System theoretical modeling on situated communication -- Back

	matter
Sommario/riassunto	This volume presents important results of the Collaborative Research Center (Sonderforschungsbereich) "Situated Artificial Communicators," which was funded by grants from the German Research Foundation (Deutsche Forschungsgemeinschaft) for more than twelve years. The contributions focus on different aspects of human-human and human-machine interaction in situations which closely model everyday workplace demands. The authors are linguists, psycho- und neurolinguists, psychologists and computer scientists at Bielefeld University. They jointly tackle questions of information processing in task-oriented communication. The role of key notions such as context, integration (of multimodal information), reference, coherence, and robustness is explored in great depth. Some remarkable findings and recurrent phenomena reveal that communication is, to a large extent, a matter of joint activity. The interdisciplinary approach integrates theory, description and experimentation with simulation and evaluation.