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	Titolo	Talker Quality in Human and Machine Interaction : Modeling the Listener's Perspective in Passive and Interactive Scenarios / / by Benjamin Weiss
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	ISBN	3-030-22769-3
	Edizione	[1st ed. 2020.]
	Descrizione fisica	1 online resource (155 pages)
	Collana	T-Labs Series in Telecommunication Services, , 2192-2829
	Disciplina	401.9
	Soggetti	Signal processing
		User interfaces (Computer systems)
		Human-computer interaction
		Natural language processing (Computer science)
		Cooperating objects (Computer systems)
		Signal, Speech and Image Processing
		User Interfaces and Human Computer Interaction
		Natural Language Processing (NLP)
		Cyber-Physical Systems
	Lingua di pubblicazione	Inglese
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	Livello bibliografico	Monografia
	Nota di contenuto	Theory: Foundations of Quality in Natural and Synthesized Speech -- Talker Quality in Passive Scenarios -- Talker Quality in Interactive Scenarios -- Talker Quality in Design and Evaluation of Speech-based Interactive Systems.
	Sommario/riassunto	The book discusses subjective ratings of quality and preference of unknown voices and dialog partners – their likability, for example. Human natural and artificial voices are studied in passive listening and interactive scenarios. In this book, the background, state of research, and contributions to the assessment and prediction of talker quality that is constituted in voice perception and in dialog are presented. Starting from theories and empirical findings from human interaction, major results and approaches are transferred to the domain of human-computer interaction (HCI). The main objective of this book is to

contribute to the evaluation of spoken interaction in humans and between humans and computers, and in particular to the quality subsequently attributed to the speaking system or person based on the listening and interactive experience. Provides a comprehensive overview of research in evaluation of speakers and dialog partners; Presents recent results on the relevance of a first passive and interactive impression; Includes human and HCI evaluation results from a communicative perspective.