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Collana	Signals and Communication Technology, , 1860-4870
Disciplina	621.382
Soggetti	Signal processing Natural language processing (Computer science) Acoustical engineering Signal, Speech and Image Processing Natural Language Processing (NLP) Engineering Acoustics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Language resources -- Spoken language understanding system for under-resourced languages -- Speech recognition applications for code switched under-resourced dialects -- Speaker identification -- Speech synthesis -- Machine translation for under-resourced languages -- Sentiment analysis and opinion mining -- Language and dialect identification -- Conclusion.
Sommario/riassunto	This book unveils the most advanced techniques and innovative applications in the natural language processing (NLP) field. It uncovers the secrets to enhancing language understanding, and presents practical solutions to different NLP tasks, as text augmentation, paraphrase generation, and restoring spaces and punctuation in multiple languages. It unlocks the potential of hierarchical multi-task learning for cross-lingual phoneme recognition, and allows readers to explore more real-world applications such as error correction, aggregating industrial security findings as well as predicting music emotion values from social media conversations. "Practical Solutions for Diverse Real-World NLP Applications" is the suitable guidebook for

researchers, students, and practitioners as it paves the way for them by delivering invaluable insights and knowledge. This book: Delves into cutting-edge research topics in NLP, covering diverse subjects in the field; Provides practical implementations and methodologies for various topics, enabling readers to apply the techniques in their own research; Offers an in-depth exploration of each topic, providing comprehensive insights and understanding for readers seeking a deeper understanding of NLP techniques used in real-world applications.
