

1. Record Nr.	UNINA9910299699903321
Autore	Anne Koteswara Rao
Titolo	Acoustic Modeling for Emotion Recognition [[electronic resource] /] / by Koteswara Rao Anne, Swarna Kuchibhotla, Hima Deepthi Vankayalapati
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-15530-X
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (72 p.)
Collana	SpringerBriefs in Speech Technology, Studies in Speech Signal Processing, Natural Language Understanding, and Machine Learning, , 2191-737X
Disciplina	621.382
Soggetti	Signal processing Image processing Speech processing systems Computational linguistics User interfaces (Computer systems) Acoustics Signal, Image and Speech Processing Computational Linguistics User Interfaces and Human Computer Interaction
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.
Nota di contenuto	Introduction -- Emotion Recognition using Prosodic features -- Emotion Recognition using Spectral features -- Emotional Speech Corpora -- Classification Models -- Comparative Analysis of Classifiers in emotion recognition -- Summary and Conclusions.
Sommario/riassunto	This book presents state of art research in speech emotion recognition. Readers are first presented with basic research and applications – gradually more advance information is provided, giving readers comprehensive guidance for classify emotions through speech. Simulated databases are used and results extensively compared, with the features and the algorithms implemented using MATLAB. Various emotion recognition models like Linear Discriminant Analysis (LDA), Regularized Discriminant Analysis (RDA), Support Vector Machines

(SVM) and K-Nearest neighbor (KNN) and are explored in detail using prosody and spectral features, and feature fusion techniques.

---