



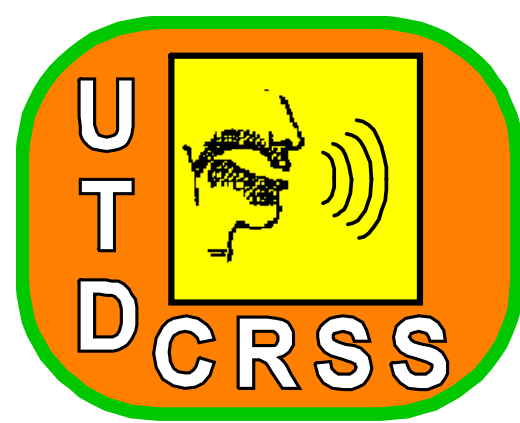
University of Texas at Dallas



Lead Investigator: John Hansen

Current Team Members:   

Yang Liu, Carlos Busso



Center for Robust Speech Systems
Univ. of Texas at Dallas



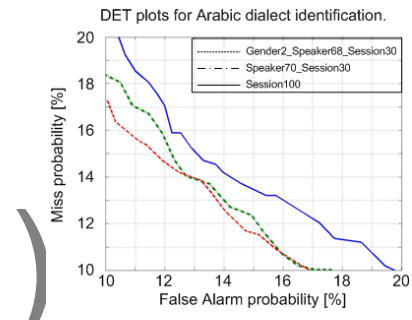

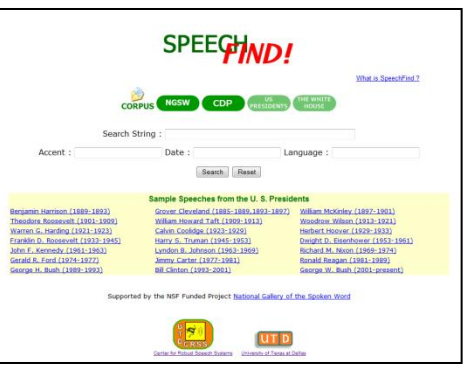
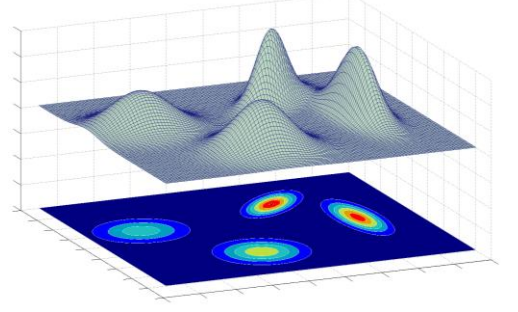
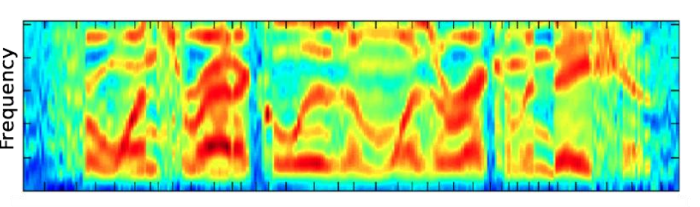
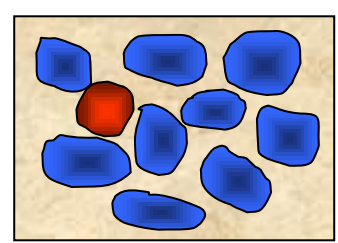


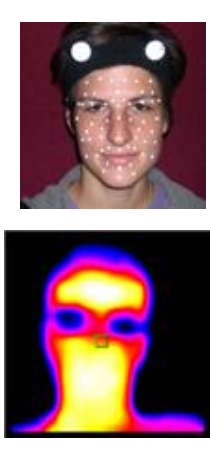
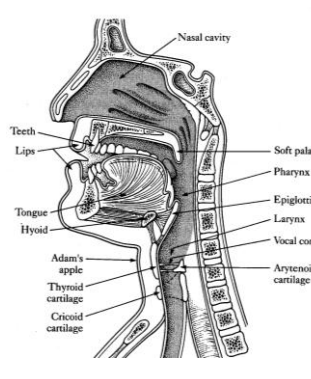

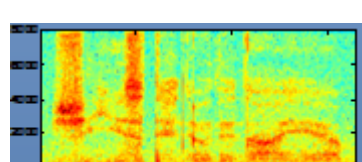


Human Language Technology Research Institute
Univ. of Texas at Dallas

Qualifications and Capabilities

- Years of experience in robust speech/language processing systems for a diverse set of languages
- Participated in several large NSF/DARPA projects
- Successful collaboration with various researchers; transfer of solutions & systems
- Robust speech processing for noise, channel, speaker ID, dialect/accent ID, speaker traits
- Spoken language understanding
- Multimodal signal processing
- Natural language processing

Type of research group you seek to join: engage in a well established group with complementary experience

Research areas of interest

- Speaker recognition (in-set, low resource, robustness, etc.) 
- Dialect/Accent recognition 
- Keyword spotting / Spoken Document Retrieval 
- Modeling noise 
- Spoken language processing (rich transcription, modeling human interaction)  
- Prosody modeling 
- Text normalization 
- Language modeling
- Multimodal signal processing (acoustic, facial, gesture) 
- Cross language universal features for emotion recognition 
- Robust methods for emotion recognition against language mismatch 
- Natural language processing (summarization, opinion recognition, keyword extraction, topic modeling, recommendation systems)
- Cross lingual studies / Rapid ASR Transition to new Languages
- Transfer learning across different languages   

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