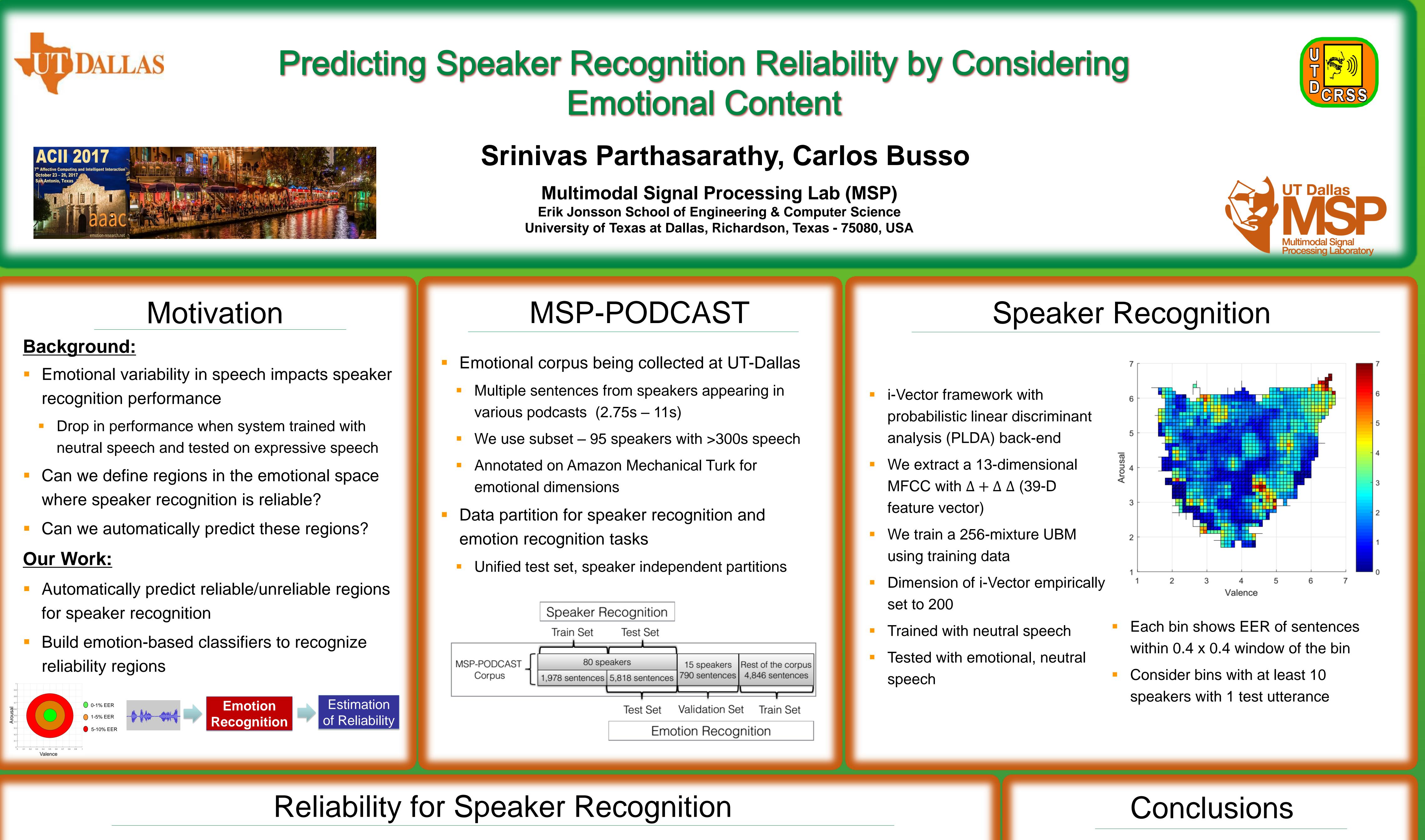
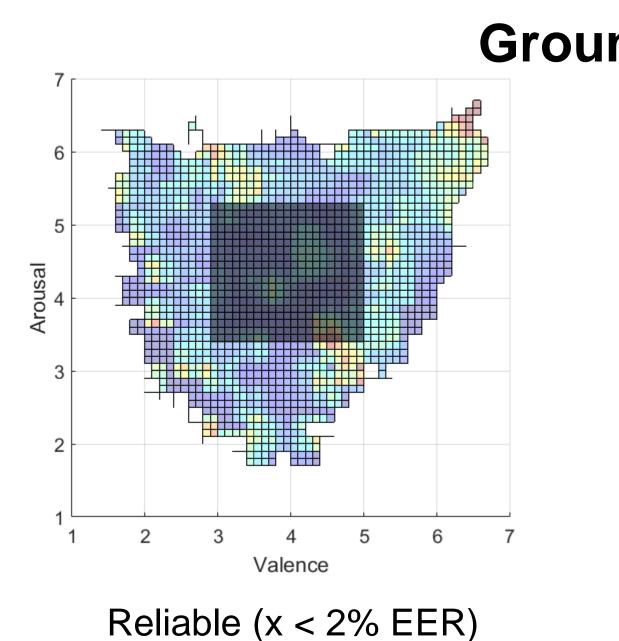




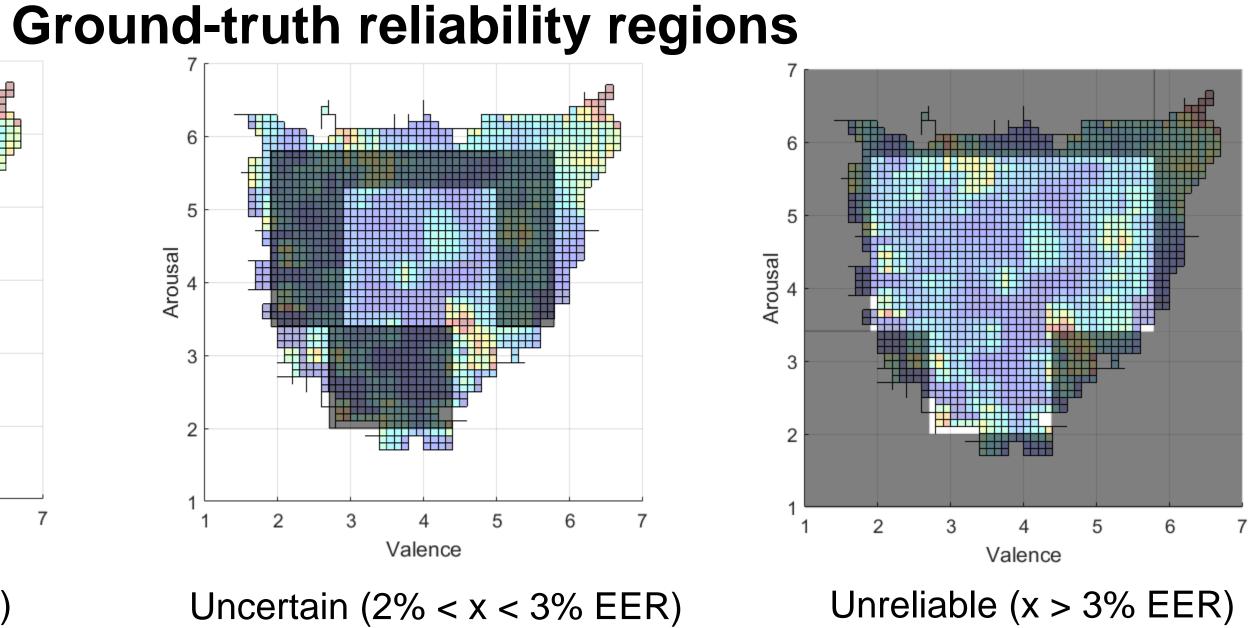
- recognition performance
- where speaker recognition is reliable?

- for speaker recognition
- reliability regions









Acoustic Features

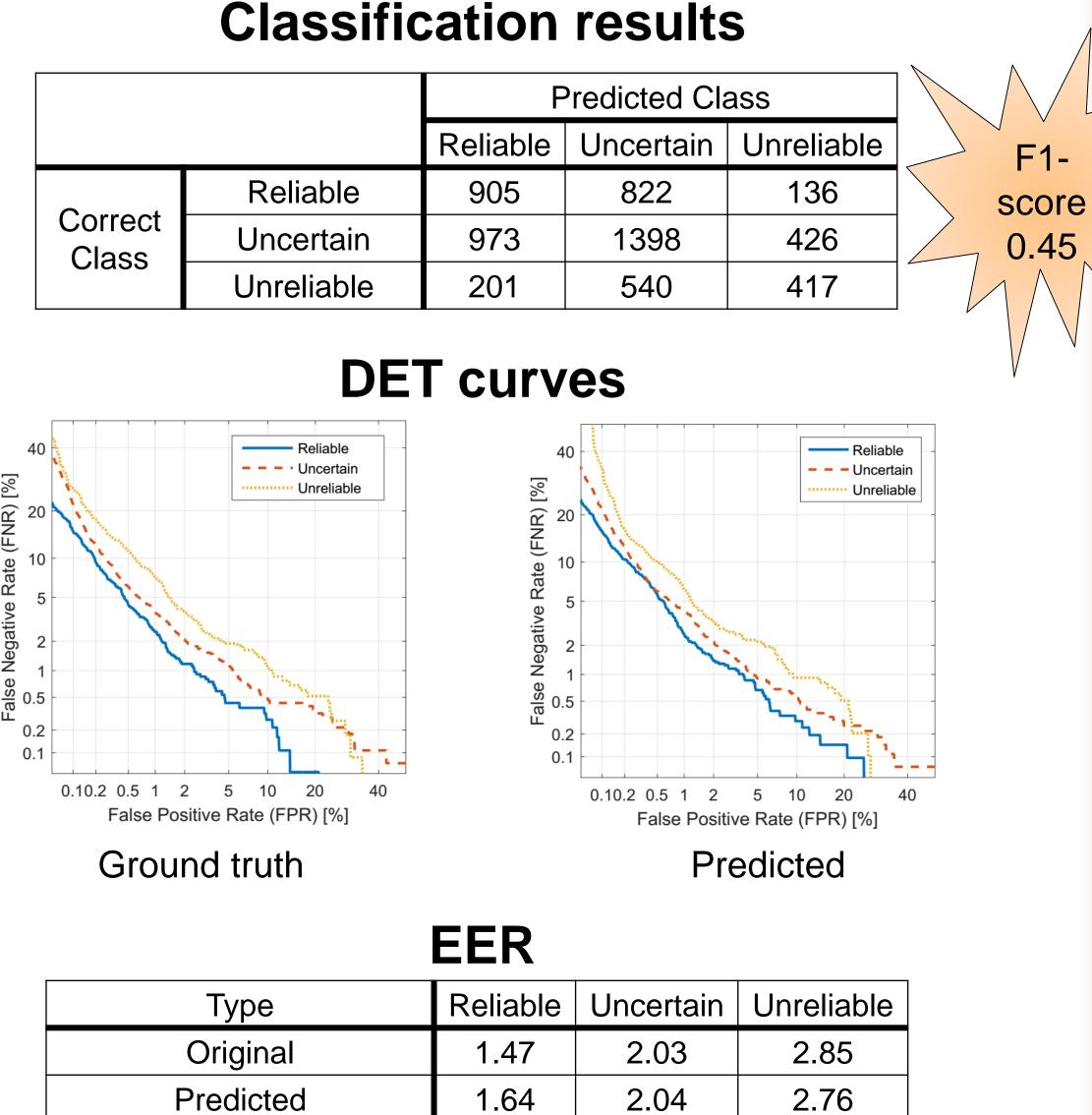
- Interspeech 2013 Computational Paralinguistic Challenge feature set
- 6,373 features

- independent sets

Classification Framework

Trained, validated, tested on speaker

1,024 nodes, 2 hidden layers, ReLU activation Dropout 0.5, early stopping on validation set



Predicted

- Emotion classification system has average F1-score of 0.45
- Ground truth EER of unreliable regions 2 times the EER of reliable regions
- Predicted EER of different regions very similar to ground truth EER

Future Work

F1-

0.45

- We are annotating more data
- Analyze reliability across multiple speaker
- Improve models for emotion recognition task
- Study compensation techniques for unreliable sentences

recognition systems