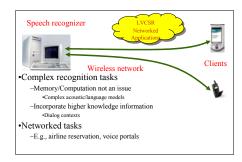
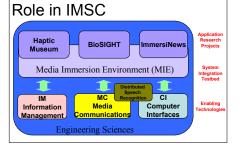
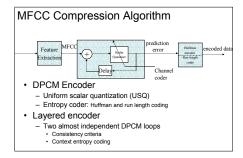
## **USC** IMSC

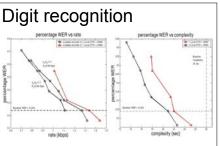
## Compression for Speech Recognition and Music Classification

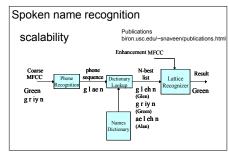
Naveen Srinivasamurthy, Merrick Mosst, Sam Bagwell, Rahul Maini, Antonio Ortega and Shrikanth Narayanan

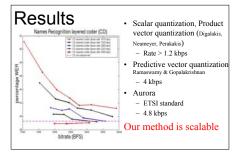












## Music classification •Perceptual similarity —Low level feature → high level concepts • Music similarity survey — <a href="http://www.angelfire.com/amiga2/samb">http://www.angelfire.com/amiga2/samb</a> —Compare two music pieces —Indicate presence/absence of features •acoustic, bass, beat, fast tempo, distortion

## 5-Year Plan

- •Relevant metrics for compression
- Incorporate dimension mismatch
- •Robustness to packet loss
- Pre-classification for compression
- Joint recognition-playback encoder

