

The 1996 Mississippi State University Conference on

Speech Recognition

What: EE 8993 Project Presentations
Where: 432 Simrall, Mississippi State University
When: May 1, 1996 — 1:00 to 4:00 PM

SUMMARY

The Department of Electrical and Computer Engineering invites you to attend a mini-conference on Speech Recognition, being given by students in EE 8993 — Fundamentals of Speech Recognition. Papers will be presented on a wide range of topics including signal modeling, hidden Markov models (HMMs), search algorithms, and language modeling.

Students will present their semester-long projects at this conference. Seven students will give 10 minute presentations, followed by 5 minutes of discussion. After the talks, each student will be available for a live-input real-time demonstration of their project. These projects account for 100% of their course grade, so critical evaluations of the projects are encouraged.

Session Overview

- 1:00 PM — 1:10 PM: J. Picone, Introduction
- 1:15 PM — 1:30 PM: **J. Trimble**, “Front-end of a Speech Recognizer”
- 1:30 PM — 1:45 PM: **L. Webster**, “Front End Modeling with Special Emphasis on FFTs, LPC, and Feature Selection”
- 1:45 PM — 2:00 PM: **R. Seelam**, “Implementation of Statistical Modeling Techniques and Channel Adaptation Techniques”
- 2:00 PM — 2:15 PM: **A. Ganapathiraju**, “Implementation of Viterbi Beam Search Algorithm”
- 2:15 PM — 2:30 PM: **N. Deshmukh**, “Efficient Search Algorithms for Large Vocabulary Continuous Speech Recognition”
- 2:30 PM — 2:45 PM: **O. LaGarde**, “Language Modeling and Grammar Construction for an HMM Continuous Speech Recognition System”
- 2:45 PM — 3:00 PM: **S. Given**, “Development of an N-Gram Based Language Model for Continuous Speech”
- 3:00 PM — 4:00 PM: Demonstrations in 414 Simrall

AUTHOR INDEX

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Trimble, Jim III
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Volume I

Speech Recognition

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