

The 1996 Mississippi State University Conference on

Digital Signal Processing

What: EE 4773/6773 Project Presentations
Where: Simrall Auditorium, Mississippi State University
When: December 2, 1996 — 1:00 to 4:00 PM

SUMMARY

The Department of Electrical and Computer Engineering invites you to attend a mini-conference on Digital Signal Processing, being given by students in EE 6773 — Introduction to Digital Signal Processing. Papers will be presented on:

- parallel implementations of fast Fourier transforms;
- real-time audible frequency detection and classification;
- analysis of forestry images for scenic content.

Students will present their semester-long projects at this conference. Each group will give a 12 minute presentation, followed by 18 minutes of discussion. After the talks, each group will be available for a live-input real-time demonstration of their project. These projects account for 50% of their course grade, so critical evaluations of the projects are welcome.



Session Overview

- 1:00 PM — 1:10 PM: J. Picone, Introduction
- 1:15 PM — 1:45 PM: Michael Balducci, Ajitha Choudary, and **Jon Hamaker**, “Comparative Analysis of FFT Algorithms In Sequential and Parallel Form”
- 1:45 PM — 2:15 PM: **David Gray**, Craig McKnight, and Stephen Wood, “Audible Frequency Detection and Classification”
- 2:15 PM — 2:45 PM: Yaquin Hong, **Nirmala Kalidindi**, and Liang Zheng, “An Algorithm To Determine The Scenic Quality Of Images“
- 3:00 PM — 4:00 PM: Demonstrations in 434 Simrall

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