ECE 272/472 Audio Signal Processing Guest Lecture

Adam Cook   Senior Signal Processing Applications Engineer at MathWorks

Tuesday, April 19th
9:00 AM   10:15 AM
CSB 523

MATLAB has exciting new capabilities for audio analysis and audio algorithm development. In this seminar you will learn how you can use the new
to rapidly implement streaming audio test benches in MATLAB and stream live audio to or fro   O   8y @
interactively tune and listen at the same time. In addition, you can control parameters via MIDI and perform real time measurements and visualizations. We will look at a number of exciting algorithm demos including filter design, pitch shifting, physical effects modeling, and more. When you are done, export your algorithm to a VST plugin to be used in any Digital Audio Workstation software!

UR Students may download the entire site license suite for installation on their personal computers for FREE   Head to http://tech.rochester.edu/software/matlab/ for details.

NOTE: Users with existing MATLAB installations will need to update to 2016a release in order to access Audio System Toolbox   it did not exist in prior releases. Anyone already running 2016a stand