**EE 443-Microprocessor Design Final Project Proposal**

**Title: Playing a Video File From SD Card**

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**Which Day to Pick for Presentations: Dec. 28**

Our final project is playing a video file from SD card. The main purpose is to read a video file, of which data is stored in a Micro SD card, and output it as image and sound by using Arm Cortex A9.

In the project, while a video file is read from the Micro SD card, it is played as image and sound. If the data can be processed at enough speed, it will be outputed as 24 frame per second via VGA ouput and line out of the FPGA. The data format and the size of the video file is not decided yet.

If the speed of accessing Micro SD card for reading the data is not enough for outputting video file properly, the process of reading data will come before outputting it, not at the same time.