**ECE 4822: Engineering Computation IV**

**Homework No. 7: Parallel DSP on a GPU**

**Goal:** Learn how to decompose algorithms into parallel computations on a GPU.

**Description:**

Implement the FIR and IIR filters of HW #6 as efficiently as possible on a GPU. Compare the execution time of your code to your C++ versions. Explore the tradeoff between multiple CPUs using OpenMP and parallelization on a GPU.