**Project 2 Description**

**ESE 566 (Hardware/software co-design)**

**Fall 2016**

The project work includes the following steps:

1. Read and summarize the research papers posted on Blackboard.
2. Select one of the hardware/software partitioning methods presented in the papers.
3. Implement as a software program the hardware/software partitioning algorithm presented in the paper.
4. Select an application that can benefit from hardware/software partitioning, like digital signal processing algorithms.
5. Perform the hardware/software partitioning methodology presented in the selected paper using the devised software.
6. Compare experimentally the results for the straightforward implementation of the selected application and the implementation based on hardware/software partitioning.
7. Prepare a report describing your work, including a review of the read research papers.
8. Submit a hard copy of the report in class and a zip file with all your project work plus soft copy of the report to [alex.doboli@stonybrook.edu](mailto:alex.doboli@stonybrook.edu).