Engine Dynamometer Development, Instrumentation, Data Acquisition and Testing

Advisor: Albert George (MAE and SYSEN)
Number of students: 1

Install and develop instrumentation, data acquisition, data storage, data management, and data presentation for engine dynamometer of Cornell Formula SAE team. Research team’s requirements and then research, implement and develop instrumentation and data acquisition systems for rpm, temperatures, pressures, O2, knock, engine parameters, etc. on existing dynamometer. Set up instrumentation and data acquisition hardware and software; develop testing and data reduction procedures. Project is suitable for various combinations of SE, MAE and ECE MEng or senior students. (FSAE team membership optional but must work closely with FSAE team)