**Title:** John Henry Vs. The SpeedMixer

**Problem Description:**

Students will use an advanced mixing technology (SpeedMixer) to homogenize a number of composite materials and compare the properties of these to those that are hand mixed. They will characterize the material using a variety of analytical techniques. Finally, students will perform statistical analysis on the results to determine if man can beat machine. An engineer from SpeedMixer will guide students through this project and help them gain industry experience. They will be exposed to a variety of engineering subjects including advanced manufacturing, material characterization, statistical analysis, and composite materials.

**Sponsor:** Drew Tyger, Erick Johnson