

Undergraduate student for fluid dynamics research.

We are doing wind tunnel experiments on the motion of water droplets in highly turbulent flows. We track the particles using high speed cameras, and measure their characteristics using a Phase Doppler Particle Analyzer. The background flow is measured using hot wire anemometry. We are looking for students interested in turbulence and its measurement and analysis. They should have taken MAE 323 or equivalent. The work is motivated by problems of mixing in machinery and the formation of droplets in the clouds. Please contact Prof. Zellman Warhaft, zw16@Cornell.edu.