

Air-sea momentum transfer in extreme wind conditions

- The student working on this project will conduct a series of laboratory and numerical experiments to quantify the rate of air-sea momentum transfer in extreme wind conditions. This data will then be used to develop and test new parameterizations for the momentum transfer in hurricanes. The laboratory experiments will be conducted in the SUSTAIN facility at the University of Miami (<http://sustain.rmsas.miami.edu>). The newly observed relationships will be used to formulate a comprehensive wind input source function for use in next-generation coupled atmosphere-wave-ocean prediction models.

