

SEMINAR ANNOUNCEMENT

The Physics of Sailing

Bryon D. Anderson

Professor of Physics

Kent State University

Abstract: An overview of the physics of sailing will be presented, including discussions of the hull speed limit, frictional forces and turbulence generation, Bernoulli's principle as applied to both the keel and the sails, and vortex generation from the keel and sails. The principles of sail selection for upwind and downwind sailing will be presented. Advances in hull, keel, and sail designs made possible by improved understanding of the underlying physics will be emphasized.

Thursday, October 29th, 2009

12:00 – 1:00 pm

Room 117

Pizza and refreshments will be served before the seminar.