



JOHNS HOPKINS
Center for Environmental
& Applied Fluid Mechanics

Weekly CEA FM Seminar: Fall 2013

Date: **Friday, September 6, 2013**
Time: 11:00 AM
Location: Gilman 50 (Marjorie M. Fisher Room)
Speaker: **Prof. Charles V. Meneveau** (JHU | MechE)
Title: **"Turbulence Research on the Run: A Brief Account of a
Sabbatical Year in Australia and Europe"**

Abstract

In this presentation, I will summarize several results from visits to the University of Melbourne (Australia), École Normale Supérieure in Lyon (France), University of Rome "Tor Vergata" (Italy), and EPFL, Lausanne (Switzerland). Topics cover various aspects of turbulence research, ranging from high Reynolds number turbulent boundary layers, modeling tumbling rates of anisotropic particles in turbulence, deformation statistics of droplets in turbulence, and modeling drag forces that arise from wind blowing over icy surfaces using detailed elevation maps measured by EPFL researchers in Antarctica.