

**Center for Fluid Mechanics, Division of Applied Mathematics  
Fluids, Thermal and Chemical Processes Group, School of Engineering  
Joint Seminar Series**

**TUESDAY - FEBRUARY 28, 2012**

**4:00pm**

**Barus & Holley, Room 190**

**K.R. Sreenivasan, University Professor  
Department of Physics and the Courant Institute of Mathematical Sciences  
New York University**

**Particles, Vortices and Superfluidity**

This talk will provide an account of the speaker's research on the following fronts: (a) how to create low Reynolds number flows in small apparatus? (b) how to measure turbulent quantities in such flows? (c) how to visualize and characterize quantized line vortices of diameter on the order of an Angstrom? (d) How do they interact with small particles? The talk will assume no prior knowledge of the topics and focus on broad concepts.