FLUID MECHANICS SEMINAR SERIES

WINTER 2011-2012

Tuesdays at 4:15P.M. 300-300 Refreshments Served at 4:00 P.M.

Universality of Sap Flow and Sugar Transport in Plants
Prof. Tomas Bohr Jan. 10
Dept. of Physics, Technical Univ. of Denmark

Light Field Imaging for 3D and Multiphase Flows
Prof. Alexandra Techet Jan. 17
Dept. of Mechanical Eng., MIT

Low-order Models for Control of Fluids
Prof. Clarence Rowley Jan. 24
Dept. of Mechanical & Aerospace Eng., Princeton University

Micro-Vortex "Turbulence" and Other Anomalous Electrikinetic Dynamics due to Non-equilibrium Ion Transport Across Ion-Selective Membranes and Nanopores
Prof. Hsueh-Chia Chang Jan. 31
Dept. of Chemical & Biomolecular Eng., Notre Dame University

Prediction of Supersonic Jet Noise Using Unstructured Large-Eddy Simulation
Dr. Joseph Nichols Feb. 7
Dept. of Mechanical Eng., Stanford University

Eulerian Models for the Description of Polydisperse Sprays in Two-phase Flows: Challenging Fundamental Issues toward Industrial Applications
Prof. Marc Massot Feb. 14
Center for Turbulence Research, Ecole Central, Paris

Turbulent Shear Flows in a Rotating Frame
Dr. Filippo Coletti Feb. 21
Dept. of Mechanical Eng., Stanford University

Advanced Active Flow and Combustion Control
Dr. Seyed Saddoughi Feb. 28
Aero-Thermal & Mech. Systems, GE Global Research

The Self Assembly of Colloidal Spheres
Prof. Michael Brenner Mar. 6
School of Engineering & Applied Physics, Harvard University

The Behavior of Nanoparticles in Nanoscale Electrokinetic Channels
Prof. Sumita Pennathur Mar. 13
Dept. of Mechanical Eng., UC Santa Barbara

For seminar information, please contact Prof. Ali Mani alimani@stanford.edu