ENGR 298 FLUID MECHANICS SEMINAR SERIES
FALL 2012
Tuesdays at 4:15 P.M. 300-300 Refreshments Served at 4:00 P.M.

Biofluid Dynamics of Flight – as an Inspiration for Design
Prof. David Lentink Sept. 25
Dept. of Mechanical Eng., Stanford University

Cardiac Fluid Dynamics: From Computational Models and Flow Physics to Diagnosis and Surgical Intervention
Prof. Rajat Mittal Oct. 2
Dept. of Mechanical Eng., Johns Hopkins University

The Interaction of Jets with Crossflow
Prof. Krishnan Mahesh Oct. 9
Dept. of Aerospace Eng. and Mechanics, University of Minnesota

The Fluid Dynamics of Tornadoes
Dr. Richard Rotunno Oct. 16
Senior Scientist, National Center for Atmospheric Research

Electric Fields Yield Chaos in Microflows
Prof. Juan Santiago Oct. 23
Dept. of Mechanical Eng., Stanford University

Bio-inspired Wind Energy: From Fish Schools and Eelgrass to Wind Farms
Prof. John Dabiri Oct. 30
Engineering and Applied Science, CalTech
Senior Fellow, Center for Turbulence Research

Air Entrainment in Plunging Jets and Breaking Waves
Dr. James Duncan Nov. 6
Dept. of Mechanical Eng., University of Maryland

Fluid Mechanics – Vascular Disease and Mechanotransduction
Prof. John Tarbell Nov. 13
Dept. of Biomedical Eng., University of New York

No Seminar – APS DFD Nov. 20

Staying Dry Under Water
Prof. Neelosh Patankar Nov. 27
Dept. of Mechanical Eng., Northwestern University

Explicity Filtered LargeEddy Simulation
Sanjeeb Bose Dec. 4
Dept. of Mechanical Eng., Stanford University

For seminar information, please contact Prof. Parviz Moin moin@stanford.edu