Nonequilibrium Reptation: Snakes in Flow  
PROFESSOR ERIC S.G. SHAQFEH  APR. 1  
*M.E. and Ch. E., Stanford University*

The Aerodynamics of Flying Toys – Discs, Rings, and Boomerangs  
PROFESSOR ALAN ADLER  APR. 8  
*Aerobie, Inc.*

Bio-Inspired Vehicle Systems for Aerial and Underwater Sensor Networking Applications  
PROFESSOR KAMRAN MOHSENI  APR. 15  
*Department of Aerospace Engineer, University of Colorado*

Effect of Upstream Velocity Fluctuations on the Low-Frequency Dynamics of Shock-Wave/Boundary-Layer Interactions  
PROFESSOR NOEL T. CLEMENS  APR. 22  
*Mechanical & Aerospace Engineering, University of Texas at Austin*

Adaptive Unstructured Embedded/Immersed Methods for Complex CFD Applications  
PROFESSOR RAINALD LOHNER  APR. 29  
*CFD Center, George Mason University, Fairfax, Virginia*

Numerical Simulation of Wind Turbine Aerodynamics  
PROFESSOR J. CHATTOT, MAY 6  
*Mechanical Engineering, UC Davis*

Numerical Methods for Liquid Atomization and Application in Detailed Simulations of a Diesel Jet  
MR. OLIVIER DESJARDIN  MAY 13  
*Mechanical Engineering, Stanford University*

Slip Behavior at Liquid/Solid Interfaces: Molecular Scale vs Continuum Predictions  
PROFESSOR SANDRA M. TROIAN  MAY 20  
*GALCIT and Bioengineering, Caltech.*

Making Shock Waves in Microfluidics: Novel Isotachophoresis Assays for Chemistry and Biology  
PROFESSOR JUAN SANTIAGO  MAY 27  
*Mechanical Engineer, Stanford University*

"Contrail cirrus - a challenge for research and for aviation in a changing climate"  
PROF. DR. ULRICH SCHUMANN  JUNE 3  
*Director, DLR Institute for Atmospheric Physics*

For seminar information, please contact Professor Lele, lele@stanford.edu