FLUID MECHANICS SEMINAR SERIES
ENGR298
Autumn 2018-19
Tuesday at 4:30 PM, Bldg. 300, Rm. 300 - Light Refreshments Served at 4:15pm

Sept. 25 "Fire Whirls: From Wildland Fires to the Blue Whirl"
Prof. Michael Gollner
Department of Fire Protection Engineering, University of Maryland

Oct. 2 "Hydrodynamic Interactions in Non-Newtonian Liquids"
Prof. Roberto Zenit
Materials Research Institute, Universidad Nacional Autonoma de Mexico

Oct. 9 “Systems Analysis of Wall Turbulence: Characterizing Natural and Synthetic Self-Sustaining and Self-Similar Processes”
Prof. Beverley McKeon
Graduate Aerospace Laboratories, California Institute of Technology

Oct. 16 “Computational Studies of Low-Mach-Number Flow Noise”
Prof. Meng Wang
Department of Aerospace & Mechanical Engineering, University of Notre Dame

Oct. 23 “Mechanics of Cytoplasmic Flow in Cell Migration”
Prof. Alex Mogilner
Department of Mathematics & Biology, Courant Institute, & Department of Biology, New York University

Oct. 30 “Double-Diffusive Convection at Low Prandtl Number”
Prof. Pascale Garaud
Department of Applied Mathematics, University of California Santa Cruz

Nov. 6 "The Signal in the Noise: Microfluidics and Sensing in the Cochlea"
Prof. Karl Grosh
Biomedical Engineering Department, University of Michigan

Nov. 13 “Mechanics of Blood Flow in Microcirculation”
Prof. Timothy W. Secomb
Department of Physiology & Program in Applied Mathematics, University of Arizona

Nov. 20 No Seminar – Thanksgiving Break

Nov. 27 “Hypersonic Flight: Basic Science Challenges in Fluid Mechanics”
Dr. Ivett Leyva
Air Force Office of Scientific Research & Air Force Research Laboratory

Dec. 4 "Subgrid-Scale Modeling and Wavelet Analysis for Inertial Point-Particles in Turbulence"
Maxime Bassenne, Ph.D. Candidate
Department of Mechanical Engineering, Stanford University

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