FLUID MECHANICS SEMINAR SERIES
ENGR298
Winter 2018-19

Tuesday at 4:30 PM, Bldg. 300, Rm. 300 - Light Refreshments Served at 4:15pm

Jan. 8 “The hydrodynamics of intracellular macromolecular motion“
Prof. Roseanna Zia
Chemical Engineering, Stanford University

Jan. 15 “Mechanics of sand ripple sediment flux in the coastal nearshore”
Prof. Meagan Wengrove
Civil & Construction Engineering, Oregon State University

Jan. 22 “Impacts of wave-induced mixing, wave-driven currents, and wave-current interactions on buoyant plumes”
Prof. Sarah Giddings
Integrated Oceanography Division, Scripps Institution of Oceanography

Jan. 29 “Modeling turbulent mixing using magnetic resonance imaging, large eddy simulation, and machine learning”
Prof. John Eaton
Mechanical Engineering, Stanford University

Feb. 5 “The spectral link in turbulent frictional drag”
Prof. Pinaki Chakraborty
Fluid Mechanics, Okinawa Institute of Science and Technology Graduate

Feb. 12 “Flow through living roughness”
Prof. Stephen Monismith
Civil & Environmental Engineering, Stanford University

Feb. 19 “The Effects of Stable Density Stratification Initially Homogeneous, Isotropic Turbulence”
Prof. Jim Riley
Mechanical Engineering, University of Washington

Feb. 26 “Fish Out of Water: The Hydrodynamics of Vertical Jumping in Archer Fish”
Prof. Alexandra Techet
Mechanical Engineering Center for Ocean Engineering, Massachusetts Institute of Technology

Mar. 5 TBD
Prof. Brian Cantwell
Mechanical Engineering, Stanford University

Mar. 12 “Global modeling of oceanic internal tides and internal gravity waves”
Prof. Brian Arbic
Earth and Environmental Sciences, University of Michigan

For seminar information, please contact Prof. Stephen Monismith, monismith@stanford.edu