FLUID MECHANICS SEMINAR SERIES
ENGR298
Winter 2017-18
Tuesdays at 4:30 PM, Bldg. 300, Rm. 300 – Light Refreshments Served at 4:15pm

Jan. 9 “On the prediction of diapycnal mixing in stably stratified turbulence”
Prof. Karan Venayagamoorthy
Colorado State University, Fort Collins

Jan. 16 “Fluid-structure interactions: Applications to marine biology”
Prof. Shilpa Khatri
School of Natural Sciences, University of California, Merced

Jan. 23 “Field observations of lobe-cleft instability in a gravity current travelling along a free-slip boundary”
Prof. Alexander Horner-Devine
Civil and Environmental Engineering, University of Washington

Jan. 30 “The Use of Computational Fluid Dynamics for Coaxial Rotorcraft Aerodynamics and Aeroacoustics”
Prof. Seongkyu Lee
Mechanical and Aerospace Engineering, University of California, Davis

Feb. 6 “Tackling Complex Flow Problems via Numerical Simulation: From Jumping Fish and Heart Valves to Flooding Rivers and Meandering Wind Turbine Wakes”
Prof. Fotis Sotiropoulos
College of Engineering and Applied Sciences, Stony Brook University

Prof. Simo A. Mäkiharju
Mechanical Engineering, University of California, Berkeley

Feb. 20 The mixing efficiency of turbulent stratified flows and why it matters for the ocean
Prof. Brian White
Marine Sciences, University of North Carolina

Feb. 27 “On shallow mixing interfaces and their relevance for understanding mixing at channel confluences”
Prof. George Constantinescu
Civil and Environmental Engineering, University of Iowa

Mar. 6 TBD

Mar. 13 “Mixing induced upwelling along a sloping boundary energized by the internal tide”
Prof. Kraig Winters
Scripps Institution of Oceanography, Aerospace and Mechanical Engineering, University of California, San Diego

For seminar information, please contact Prof. Oliver Fringer, fringer@stanford.edu