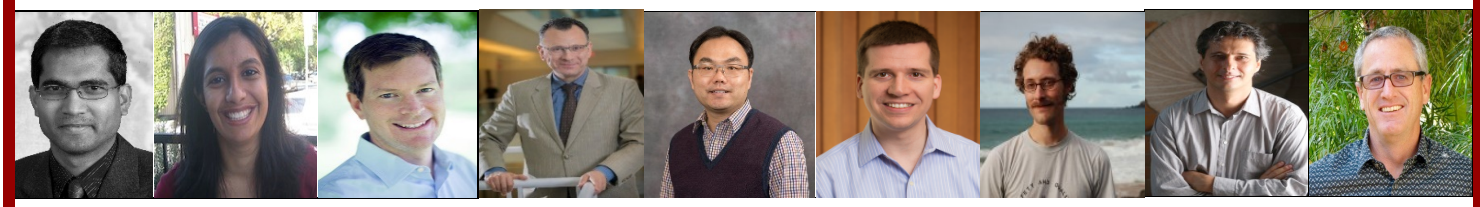
FLUID MECHANICS SEMINAR SERIES

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

Feb. 13 ***"Experiments in Multiphase Flows: Cavitation and X-Rays"***
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