Jan. 12 “Affronting Ocean Models: Submesoscale Interactions between Fronts, Instabilities, and Waves”
Prof. Baylor Fox-Kemper
Department of Earth, Environmental, and Planetary Sciences, Brown University

Prof. Steven Brunton
Department of Mechanical Engineering, University of Washington

Jan. 26 “A Quest to Observe the Turbulent Cascade in Real Time”
Prof. Michael Brenner
School of Engineering and Applied Sciences & Department of Physics, Harvard University

Feb. 2 “Fluid Mechanic Instability and its Impact on Gas Turbine Combustor Operability”
Prof. Jacqueline O’Connor
Department of Mechanical Engineering & Director of the Penn State Center for Gas Turbine Research, Education, and Outreach, Penn State University

Feb. 9 “A Molecular-Level Understanding of Hypersonic Flows”
Prof. Thomas E. Schwartzentruber
Department of Aerospace Engineering and Mechanics, University of Minnesota

Feb. 16 "On the Reynolds Number Dependence of Turbulent Flames: The Cascade through the Lens of Power Laws, Surface Density Function, and Fractal Analysis”
Prof. Fabrizio Bisetti
Department of Aerospace Engineering and Engineering Mechanics, University of Texas at Austin

Feb. 23 “Revealing Hidden Dimensions in Soft Materials (or How to Play a Chord on a Rheometer)”
Prof. James Swan
Department of Chemical Engineering, Massachusetts Institute of Technology

Mar. 2 “Driving Physics of Inverted Flag Flapping”
Prof. Andres J. Goza
Department of Aerospace Engineering, University of Illinois at Urbana-Champaign

Mar. 9 "Reactive Transport in Porous Media: Bridging Scales, Data and Physics"
Prof. Ilenia Battiato
Department of Energy Resources, Stanford University

Mar. 16 “Ignition by Pressure Pulses”
Prof. Joseph E. Shepherd
Aeronautics and Mechanical Engineering, California Institute of Technology

For seminar information, please contact Prof. Matthias Ihme at mihme@stanford.edu