Apr. 2 No Seminar

Apr. 9 "Overview of the Hypersonic Boundary Layer Transition (BOLT) Flight Experiment"
Dr. Daniel Araya
*Applied Physics Laboratory, Johns Hopkins University*

Apr. 16 “Towards NASA’s In-House Lattice-Boltzmann Solver”
Dr. Joseph Kocheemoolayil
*NASA Ames Research Center*

Apr. 23 “Orion Launch Abort System Acoustics”
Dr. Francois Cadieux
*NASA Ames Research Center*

Apr. 30 “Leveraging Propeller and Rotor Noise Experience for eVTOL Design”
Prof. Kenneth S. Brentner
*Aerospace Engineering, Penn State University*

May 7 “A Computational Rheometer for Turbulent Flows”
Prof. Ali Mani
*Mechanical Engineering, Stanford University*

May 14 "Adjoint-based Aeroelastic Optimization of Flexible Structures using Time-accurate Simulations"
Prof. Graeme J. Kennedy
*Guggenheim School of Aerospace Engineering, Georgia Institute of Technology*

May 21 “An Understanding of Jets in X-Ray Lasers”
Prof. Juan G. Santiago
*Mechanical Engineering, Stanford University*

May 28 “Unsteady Simulations of a Fan/Outlet-Guide-Vane System: Tone and Broadband Noise Computation for Turbofan Engines”
Dr. Takao Suzuki
*Noise, Vibrations, and Emissions, The Boeing Company*

David Ching
*Mechanical Engineering, Stanford University, PhD Thesis Defense*

*For seminar information, please contact Prof. Juan J. Alonso, jjalonso@stanford.edu*