



JOHNS HOPKINS
Center for Environmental
& Applied Fluid Mechanics

Tuesday, August 27, 2019 (Special Date)
4:00 PM, 106 Latrobe Hall (Special Location)

***"Free-Surface Flows in Liquid Rocket
Propulsion Systems"***

Presented by Prof. Takehiro Himeno

The University of Tokyo

Jet Propulsion Laboratory

Department of Aeronautics and Astronautics



Free-surface flows are flow fields including the boundary between two homogenous fluids, for example liquid water and the air. We are very familiar with them, but very difficult to explain their shapes. In this seminar, research topics will be introduced, trying to predict the dynamic behavior of free-surface flows based on experimental and numerical approach to clarify the important phenomena in the aerospace propulsion systems.