**Yosemite Fluids Meeting 2018**

**Wawona Field Station**

**Schedule**

**Friday, September 14th**

Arrival at the field station’s cabins 7:00pm – 10:00pm

**Saturday, September 15th**

Breakfast on site (provided) 7:30am – 8:45am

Welcome 8:45am – 9:00am

First talk session:

**Bob Guy**, UC Davis, 9:00am – 9:25am

Flagellar swimming in viscoelastic fluids

**Ulrike Muller**, CSU Fresno, 9:25am – 9:50am

Suction feeding while small - how the tiny

traps of the carnivorous plant Bladderwort

generate strong suction flows

**Becca Thomases**, UC Davis, 9:50am – 10:15am

The interactions and effects of fluid and body

elasticity on locomotion at the micro-scale

Tea/Coffee break 10:15am – 10:30am

Second talk session:

**François Blanchette**, UC Merced, 10:30am – 10:55am

Sediments, drops, and porous particles

settling in a stratified ambient

**Tracy Mandel**, UC Merced, 10:55am – 11:20am

Hydrodynamics of aquatic canopies

through the lens of the free surface

**Deify Law**, CSU Fresno, 11:20am – 11:45am

Validation of CFD Simulations on

Interference Drag for Cylinder-Sphere

Composite Body

Lunch on site (provided) 11:45am – 2:00pm

Third talk session:

**Diane Taylor**, Santa Clara University, 2:00pm – 2:25pm

Atmospheric dispersion modeling and the

role of vertical diffusion in methane

measurement accuracy

**Sergei Fomin**, CSU Chico, 2:25pm – 2:50pm

Tsunami wave dynamics in the case of

complex seafloor geometry

**Joseph Biello,** UC Davis, 2:50pm – 3:15pm

Multiscale asymptotics for the tropical

atmosphere.

Coffee/Tea break 3:15pm – 3:30pm

Fourth talk session:

**Maxime Theillard**, UC Merced, 3:30pm – 3:55pm

Numerical modeling of confined

active suspensions

**Paloma Gutierrez**, UC Davis, 3:55pm – 4:20pm

POD analysis of the 4-roll geometry in

viscoelastic flows

**Nathan Keim**, Cal Poly San Luis Obispo, 4:20pm – 4:45pm

The Limit Cycle of a Liquid Contact Line

Dinner at the Tenaya Lodge 6:00pm – 8:00pm

**Sunday, September 16th**

Breakfast on site (provided) 7:30am – 8:45am

Fifth talk session:

**Changho Kim**, UC Merced, 9:00am – 9:25am

Fluctuating Hydrodynamics Approach

Toward Realistic Simulation of Reactive

Microfluids

**Rena Zieve**, UC Davis, 9:25am – 9:50am

Single Vortex Experiments in Superfluid

Helium

**Dustin Kleckner**, UC Merced, 9:50am – 10:15am

Vortex Knots: what do we know, and what

do we not know?

Tea/Coffee break 10:15am – 10:30am

Poster Session 10:30am – 11:45am

**Matea Alvarado**, UC Merced

**Arvind Gopinath**, UC Merced

**Audrey Profeta**, Cal Poly San Luis Obispo

**Eunji Yoo**, UC Merced

**De Zhen Zhou**, UC Merced

Lunch on site (provided) 11:45am – 1:30pm