

## **EFM presentations at the Ocean Sciences Meeting, 2018**

### **Monday**

8:45: Chris Chickadel

Location: Oregon Ballroom 202

Oral: Spatial and temporal scales of internal waves, fronts, and eddies on the inner shelf

12:15: Elizabeth Thompson

Location: Oregon Convention Center B116

Oral: How is salinity stratification affected by surrounding precipitation variability?

4-6: Melissa Moulton

Location: Poster Hall, CD14C-0071

Poster: Observations of rip-current and internal-wave driven exchange between the surf zone and inner shelf

David Fertitta

Location: Poster Hall, CD14C-0070

Poster: Semidiurnal Internal Tidal Dynamics in the Santa Maria Basin: Spatial and Temporal Variability

Nirimesh Kumar

Location: Poster Hall, CD14C-0067

Poster: Semidiurnal Internal Tides along the Washington Continental Shelf: Observations and Model Simulations

Christine Baker

Location: Poster Hall, CD14B-0042

Poster: Rip-current driven cross-shore exchange dynamics on a natural barred beach

Brad Perfect

Location: Poster Hall

Morteza Derakhti

Location: Poster Hall, CD14B-0044

Poster: A Vortex Force Analysis of Nearshore Circulation Driven by Short-crested Wave Breaking

### **Tuesday**

9:15 (Nylund) and Jim Thomson

Location: B116

Near-surface current profiles measured with the new 'HR' Mode of Signature1000 Instruments Mounted on SWIFT drifters

2:15 Jim Thomson

Location: B116

Wave glider observations of air-sea exchange and the ocean mixed layer in the Drake Passage

4-6: Morteza Derakhti

Location: Poster Hall, OM24A-2075

Poster: On the Parameterization of the Breaking Strength of Gravity Water Waves

### **Wednesday**

8:30: Sabine Rijnsburger, Delft University of Technology, Delft, Netherlands

Location: Oregon Ballroom 201 (E31A-03)

Oral: Propagation and strength of freshwater fronts in the Rhine River plume

9:45: Sam Kastner

Location: Oregon Ballroom 201 (E31A-08)

Oral: Drifter measurements of the behavior of a small scale river outflow in the surf zone

2:45: Yeping Yuan (EFM alumni, now at Zhejiang University, China)

Location: Oregon Ballroom 201 (E33A-04)

Oral: The Role of Periodically Varying Discharge on River Plume Structure and Transport

3:45: Alex Horner-Devine

Location: Oregon Ballroom 201 (E33A-08)

Oral: The dynamics of the river-ocean interface

4-6: Sam Brenner

Location: Poster Hall, HE34B-2945

Poster: Small-scale Upper Ocean Variability and Surface Forcing in the Arctic Ocean

### **Thursday**

10:30: Roxanne Carini

Location: Oregon Ballroom 202 (CD42A-01)

Oral: Wave-by-Wave Analysis of Breaking Waves in the Surf Zone Using LIDAR Line-scans and Thermal Infrared Imagery

10:45 Andy Jessup

Location: Oregon Convention Center – B116

Oral: Infrared Observations of Small-Scale Langmuir Circulation during Rain in the ITCZ

2:15: Seth Zippel

Location: B116

Oral: Wave-breaking Turbulence at a River Inlet

2:15: Ruth Branch

Location: Oregon Ballroom 202

Airborne Lidar measurements of tides, waves, and surface slope at the mouth of the Columbia River

4-6: Maddie Smith

Location: Poster Hall, HE44B-2989

Poster: Surface turbulence production and suppression at the air-ice-ocean interface

Maricarmen Guerra

Location: Poster Hall, CD44C-0190

Poster: The turbulent wake of ORCP RivGen Turbine

Raul Flores

Location: Poster Hall, MG44B-0371

Poster: Wave-supported sediment gravity flow on a shallow, predominantly sandy seabed

Zhuochen Han

Location: Poster Hall, MG44B-0378

Poster: The influence of sand fraction on the dynamics of wave-supported gravity currents

## **Friday**

11:00: Caitlin Whalen

Location: B113-B115

Oral: Large-Scale Impacts of the Mesoscale Environment on Mixing from Wind-Driven Internal Waves

12:00: Molly Gear

Location: Oregon Convention Center; Oregon Ballroom 202

Oral: Testing Marine Mammal Soft Tissue to Understand Injury Risk from Tidal Turbine Collision