

Day 1: 30 April 2018, Monday; RSMAS Auditorium

- **08:00 - 09:00** Registration and breakfast
- **09:00 - 09:10** Welcome: Tamay Özgökmen (University of Miami)
- **09:10 - 09:30** Paul Linden (Cambridge University):
Experiments on two-phase plumes in a rotating environment
- **09:30 - 09:50** Andrew Poje (City University of Staten Island):
Estimating kinematic properties from LASER and SPLASH drifter arrays
- **09:50 - 10:10** Helga Huntley (University of Delaware):
Scale-dependent divergence and vorticity estimates in the Louisiana Bight
- **10:10 - 10:30** Annalisa Griffa (ISMAR-CNR):
Triplet deformation during LASER experiment
- 10:30 - 10:50** Coffee break
- **10:50 - 11:10** Josefina Olascoaga (University of Miami):
Lagrangian climatologies
- **11:10 - 11:30** Georgia Parks (NOVA University):
DNA analysis of oil-associated bacteria from the sea surface microlayer sampled during SPLASH
- **11:30 - 11:50** Alexander Soloviev (NOVA University):
Fine-scale features of freshwater lenses
- **11:50 - 12:10** Cedric Guigand (University of Miami):
Air-dropped drifter: low-cost, compact, biodegradable for rapid air deployment
- 12:10 - 13:30** Lunch
- **13:30 - 13:50** Ping Zhu (Florida International University):
Improving forecasting skills of rapid intensification of storm forced surface winds (Hurricane Harvey) in the Gulf of Mexico
- **13:50 - 14:10** Henry Chang (University of Delaware):
Update on the analysis of LASER Aerostat data
- **14:10 - 14:30** Dan Carlson (Aarhus University):
Plans for LASER Aerostat results

- **14:30 - 14:50** Matthew Grossi (University of Miami):
Can Artificial Intelligence predict the dispersion of spilled oil?
- **14:50 - 15:10** Ramsey Harcourt (University of Washington):
An update on LES of buoyant scalars in Langmuir turbulence and parameterization of their vertical fluxes

15:10 - 15:40 Coffee break

- **15:40 - 16:00** Arthur Mariano (University of Miami):
Global velocity statistics and energy flux estimates for model verification
- **16:00 - 16:20** Josefina Olascoaga (University of Miami):
Lagrangian geography of the deep Gulf of Mexico
- **16:20 - 16:40** Helena Solo-Gabriele (University of Miami):
Overview of Beach Exposure and Child HEalth Study (BEACHES) and some thoughts about possible collaboration
- **16:40 - 17:00** Paul Schuler (Oil Spill Response Limited):
Response community perspectives on oil spill science
- **17:00 - 17:10** Helga Huntley (University of Delaware):
Data management

17:00 - 18:30 Free discussions for collaboration, papers

18:30 - 20:00 Reception

Day 2: 1 May 2018, Tuesday; RSMAS Auditorium

- 08:00 - 09:00 Breakfast

Synthesis Session:

- 09:00 - 09:20 William Dewar (Florida State University):

Plans for plume synthesis work

- 09:20 - 09:40 Eric D'Asaro (University of Washington):

Plans for LASER papers

- 09:40 - 10:00 Jeroen Molemaker (UCLA):

Plans for SPLASH papers

- 10:00 - 10:30 General discussion:

How to go about inter-experiment CARTHE-I,II,III synthesis work?

10:30 - 11:00 Coffee break

- 11:00 - 11:20 Shuyi Chen (University of Washington):

Further analysis of atmospheric and ocean conditions during LASER and in comparison with 2015 and 2017

- 11:20 - 11:40 Roy Barkan (UCLA):

River plume dynamics during SPLASH

- 11:40 - 12:00 Ming Shao (University of Miami):

The variability of fluxes and symmetric instability phenomena observed near submesoscale fronts

12:00-13:30 Lunch

13:30 - 15:00 Free discussions for collaborations, papers