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