

CARTHE

Consortium for Advanced Research on
Transport of Hydrocarbon in the Environment

All-Hands Meeting

May 29-31, 2013 Mayfair Hotel, 3000 Florida Avenue, Coconut Grove, Florida

AGENDA

Wednesday, May 29, 2013

		Room
8:00 – 9:00	Registration and Buffet Breakfast	Havana Room
9:00 – 9:05	Plenary Session	Crystal Ballroom
	Welcome: Tamay Özgökmen <i>University of Miami, RSMAS</i>	
9:05 – 9:15	GoMRI Address and Q&A Michael Carron GoMRI, Program Director	
9:15 – 10:30	Presentations	Crystal Ballroom
	i. Oceanic Turbulence Speaker: Andrew Poje <i>City University of New York</i>	
10:30 – 11:00	Coffee Break	Crystal Foyer
11:00 – 12:15	ii. State-of-the-art NRL Modeling and Data Assimilation Speaker: Gregg Jacobs <i>NRL – SSC</i>	
12:15 – 13:30	Lunch	Havana Room
13:30 – 14:45	iii. State-of-the-art Coastal Modeling Speaker: Clint Dawson <i>University of Texas at Austin</i>	Crystal Ballroom
14:45– 16:00	iv. The Path to GLAD: A Historical Perspective of Lagrangian Oceanic Research Speaker: Denny Kirwan <i>University of Delaware</i>	
16:00 – 16:30	Coffee Break	Crystal Foyer
16:30 – 17:45	v. Theory of Lagrangian Coherent Structures: Speaker: Javier Beron-Vera <i>University of Miami, RSMAS</i>	Crystal Ballroom

AGENDA

Thursday, May 30, 2013

		Room
8:00 – 9:00	Registration and Buffet Breakfast	Havana Room
9:00 – 9:20	Presentations	Crystal Ballroom
	i. Progress in Buoyant Plume Modeling Speaker: Tamay Özgökmen <i>University of Miami, RSMAS</i>	
9:20 – 9:40	ii. Two-Phase Plume Modeling Speaker: Alex Fabergat <i>City University of New York</i>	
9:40 – 10:00	iii. Striking Realizations About the DWH Plume Speaker: William Dewar <i>Florida State University</i>	
10:00 – 10:20	iv. Modeling of Deep Plumes Speaker: Ashley Stroman <i>Florida State University</i>	
10:20 – 10:40	v. Upper Ocean Energetics During GLAD Speaker: Darek Bogucki <i>Texas A&M University</i>	
10:40 – 11:00	Coffee Break	Crystal Foyer
11:00 – 11:20	vi. Multi-Phase Environment at the Air-Oil Interface in Hurricane Conditions Speaker: Alex Soloviev <i>Nova Southeastern University</i>	Crystal Ballroom
11:20 – 11:40	vii. Towards Verification of Computational Fluid Dynamics Models of the Air-Sea and Air-Oil Interface Speaker: Mike McGauley <i>Nova Southeastern University</i>	
11:40 – 12:00	viii. Turbulent Mixing and Diel Vertical Migrations of Fish Larvae in the Straits of Florida in Relation to Potential Oil Spill Problems Speaker: Ceyla Dean <i>Nova Southeastern University</i>	



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Thursday, May 30, 2013

		Room
12:00 – 13:30	Lunch	Havana Room
13:30 – 13:50	ix. Ocean Surface Dynamic Effects on Buoyant Distributed Trajectories Speaker: Gregg Jacobs <i>NRL-SSC</i>	Crystal Ballroom
13:50 – 14:10	x. Assimilation of In-Situ Velocity Data in the Northern Gulf of Mexico Using the Navy Coastal Ocean Model 4DVAR (NCOM-4DVAR) Speaker: Matthew Carrier <i>NRL-SSC</i>	
14:10 – 14:30	xi. Characteristics of Particle Motion from Models and GLAD Speaker: Emanuel Coelho <i>NRL-SSC</i>	
14:30 – 14:50	xii. Toward the Transport of Oil From Sea Floor to Beaches as Driven by the 3D Baroclinic ADCIRC Speaker: Casey Dietrich <i>University of Texas at Austin</i>	
14:50 – 15:10	xiii. Fusion of GLAD Data with Altimeter Speaker: Annalisa Griffa <i>University of Miami, RSMAS</i>	
15:10 – 15:30	xiv. Lagrangian Submesoscale Parameterization for the Gulf of Mexico Speaker: Angeliqe Haza <i>University of Miami, RSMAS</i>	
15:30 – 15:50	xvi. Progress in Multi-Phase Modeling Speaker: Daniel Espinal <i>University of Miami, RSMAS</i>	

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Thursday, May 30, 2013

		Room
15:50 – 16:20	Coffee Break	Crystal Foyer
16:20 – 16:40	xvii. Progress in Uncertainty Quantification Speaker: Mohamed Iskandarani <i>University of Miami, RSMAS</i>	Crystal Ballroom
16:40 – 17:00	xviii. Effects of Surface Waves on Ocean Currents during GLAD Speaker: Milan Curic <i>University of Miami, RSMAS</i>	
17:00 – 17:20	xix. Air-Sea Fluxes in Hurricane Isaac Using Coupled Model and GLAD Met Drifters Speaker: Chiaying Lee <i>University of Miami, RSMAS</i>	
17:20– 17:40	xx. Large Eddy Simulation of Hurricane Boundary Layer- A Downscaling from UM’s Fully Coupled Simulation of Hurricane Isaac Speaker: Omid Choobari <i>Florida International University</i>	
17:40 – 18:00	xxi. Projection of the DwH Spill in Sediments and the Water Column: Progress in Recognizing Characteristics of and Change Caused by Hydrocarbons in the Environment Speakers: Joanna Kolasinski Brad Rosenheim <i>Tulane University</i>	
18:00 – 18:20	xxii. In-Situ Optical Measurements Taken During the GLAD Experiment Speakers: Nathan Laxague <i>University of Miami, RSMAS</i>	
19:00 – 20:00	Reception	Pool Area

AGENDA

Friday, May 31, 2013

		Room
8:00 – 9:00	Registration and Buffet Breakfast	Havana Room
9:00 – 10:15	Panel for Task 1 Targeted Oceanic and Laboratory Experiments Tamay Özgökmen, Alex Soloviev, Brad Rosenheim, Darek Bogucki	Crystal Ballroom
10:15 – 10:45	Coffee Break	
10:45 – 12:00	Panel for Tasks 2, 3 Ocean and Transport Modeling Gregg Jacobs, Josefina Olascoaga, Denny Kirwan, Bruce Lipphardt	
12:00 – 13:30	Lunch	
13:30 – 14:45	Panel for Tasks 4, 5 Coupled Modeling and Uncertainty Quantification Milan Curic, Clint Dawson, Mohamed Iskandarani	
14:45 – 15:00	International Collaborations Annalisa Griffa, <i>University of Miami, RSMAS</i>	
15:00 – 15:15	Data Management Bruce Lipphardt <i>University of Delaware</i>	
15:15 – 15:30	Outreach and Education Laura Bracken <i>University of Miami, RSMAS</i>	
15:30	Coffee Break	Crystal Foyer

