

CARTHE

Consortium for Advanced Research on
Transport of Hydrocarbon in the Environment

All-Hands Meeting

November 8-9, 2012 Mayfair Hotel, 3000 Florida Avenue, Coconut Grove, Florida

AGENDA

Thursday, November 8, 2012

Room

7:30 – 8:30 **Registration and Buffet Breakfast**

Palm Terrace

Plenary Session

Crystal Ballroom

8:30 – 8:35 Welcome: Tamay Özgökmen
University of Miami, RSMAS

8:35 – 8:55 GoMRI Address: Chuck Wilson
& Q&A *GoMRI, Chief Science Officer*

8:55 – 9:15 **CARTHE Overview & Accomplishments**
Speaker: Tamay Özgökmen
University of Miami, RSMAS

Crystal Ballroom

Presentations

Review and Results from 2012 GLAD Experiment

Crystal Ballroom

Lead: **Brian Haus**

9:15 – 9:30 i. Overview of GLAD:
Speaker: Brian Haus
University of Miami, RSMAS

9:30 – 9:45 ii. GLAD Sampling Strategy:
Speaker: Bruce Lipphardt
University of Delaware

9:45 – 10:10 iii. Dispersion Results:
Speaker: Andrew Poje
City University of New York

10:10 – 10:20 iv. GLAD vs Coastal HF Radar Comparison:
Speaker: Matt Gough (*PhD student*)
University of Miami, RSMAS

10:20 – 10:30 v. GLAD Turbulence Measurements:
Speaker: Darek Bogucki
TAMU - CC

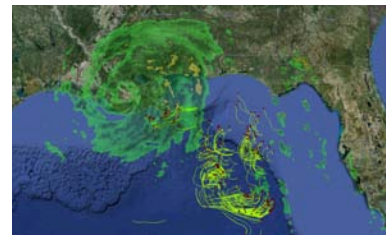
AGENDA

Thursday, November 8, 2012

			Room
10:30 – 11:00	Coffee Break	<i>Refreshments provided (Students please hang posters in the Crystal Ballroom during AM break)</i>	Crystal Foyer
Plenary Session			Crystal Ballroom
Presentations			
Ocean Modeling for GLAD			
Lead: Gregg Jacobs			
11:00 – 11:10	i.	Overview of the Virtual Experiments (VE) Speaker: Denny Kirwan, Jr. University of Delaware	
11:10 – 11:20	ii.	Real-time Data Management for VE & GLAD Speaker: Ed Ryan University of Miami, RSMAS	
11:20 – 11:30	iii.	Summary of NRL Modeling for GLAD Speaker: Gregg Jacobs NRL-SSC	
Transport Analysis for GLAD			
Lead: Bruce Lipphardt			
11:30 – 11:40	i.	Geodesic Theory Speaker: Javier Beron-Vera University of Miami, RSMAS	
11:40 – 11:50	ii.	Application of Geodesic Theory to GLAD Speaker: Josefina Olascoaga University of Miami, RSMAS	
11:50 – 12:00	iii.	Statistical Description of Dispersion during GLAD Speaker: Angelique Haza University of Miami, RSMAS	
12:00 – 13:30	Lunch (provided)		Palm Terrace

Grand Lagrangian Deployment Experiment (GLAD)

GLAD is the largest upper ocean dispersion experiment ever conducted with the deployment of more than 300 custom-made drifters near the Deepwater Horizon site and the Louisiana coast.



AGENDA

Thursday, November 8, 2012

Room

Crystal Ballroom

Plenary Session

Presentations

Atmospheric and Coupled Modeling for GLAD

Lead: **Shuyi Chen**

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| 13:30 – 13:45 | i. Observations and Coupled Model Forecasts from Calm Winds to Hurricane Isaac
Speaker: Shuyi Chen
<i>University of Miami, RSMAS</i> |
| 13:45 – 13:55 | ii. Weather Conditions and Forecasts
Speaker: Falko Judt (<i>PhD student</i>)
<i>University of Miami, RSMAS</i> |
| 13:55 – 14:10 | iii. Winds, Waves, and Currents in Hurricane Isaac
Speaker: Milan Curcic (<i>PhD student</i>)
<i>University of Miami, RSMAS</i> |
| 14:10 – 14:20 | iv. Hurricane Isaac Surge Forecasting
Speaker: Clint Dawson
<i>University of Texas</i> |
| 14:20 – 14:30 | v. A new perspective on surface layer bulk transfer parameterization in coastal regions
Speaker: Ping Zhu
<i>Florida International University</i> |

Uncertainty Analysis for GLAD

Lead: **Mohamed Iskandarani**

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| 14:30 – 14:40 | i. Uncertainty Analysis for GLAD
Speaker: Mohamed Iskandarani
<i>University of Miami, RSMAS</i> |
| 14:40 – 14:50 | ii. Uncertainty Analysis for GoM
Speaker: Ashwanth Srinivasan |

International Collaborations

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| 14:50 – 15:00 | Overview of the TOSCA Summer Experiment
Speaker: Annalisa Griffa
<i>University of Miami, RSMAS</i> |
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Data Management for GLAD and CARTHE

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| 15:00 – 15:15 | Data Management for GLAD, GRIDC Expectations and Software and Hardware Needs
Speaker: Bruce Lipphardt
<i>University of Delaware</i> |
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AGENDA

Thursday, November 8, 2012

		Room
15:15 – 16:15	Coffee Break and Student Research Poster Session <i>Refreshments in Crystal foyer</i> <i>Student Poster session in Crystal Ballroom</i>	Crystal Foyer & Ballroom
	Plenary Session Progress in Process Modeling Lead: Bill Dewar	Crystal Ballroom
16:15 – 16:30	i. Progress in Plume/Oil Modeling Speaker: Bill Dewar <i>Florida State University</i>	
16:30 – 16:40	ii. Progress in Plume Modeling Speaker: Guillaume Novelli <i>University of Miami, RSMAS</i>	
16:40 – 16:50	iii. Oil Transport Modeling Speaker: Juan Restrepo <i>University of Arizona</i>	
16:50 – 17:00	iv. Progress in Surface Multi-Phase Modeling Speaker: Alex Soloviev <i>Nova Southeastern University</i>	
17:00 – 17:10	v. Progress in Langmuir Circulation Modeling Speaker: GeChang Zha <i>University of Miami, RSMAS</i>	
17:10 – 18:00	Brainstorming Discussion Group Structures for Day 2 Lead: Tamay Özgökmen <i>University of Miami, RSMAS</i>	
18:00 – 18:15	Group Picture	TBA
18:30 – 20:00	Reception sponsored by: <i>(refreshments provided)</i>	Palm Terrace



CARTHE Goal:

To accurately predict the fate of hydrocarbons released into the environment, thereby guiding risk management and response efforts to minimize damage to human health, the economy and the environment.



AGENDA

Friday, November 9, 2012

		Room
8:00 – 9:00	Registration and Buffet Breakfast	Palm Terrace
	Plenary Session	Crystal Ballroom
	Presentations	
	Plans for 2013 Experimental Work	
	Lead: Ad Reniers	
9:00 – 9:15	i. 2013 Coastal Dispersion Experiment Speaker: Ad Reniers <i>University of Miami, RSMAS</i>	
9:15 – 9:30	ii. Modeling for 2013 Experiment Speaker: Bert Jagers <i>Deltares</i>	
9:30 – 9:40	iii. CARTHE Bottom Sampling Cruise Speaker: Brad Rosenheim <i>Tulane University</i>	
9:40 – 9:50	Deep-C Collaboration Opportunity: Hurricane Isaac Speaker: Nick Shay <i>University of Miami, RSMAS</i>	
	CARTHE Outreach	
	Lead: Arthur Mariano	
9:50 – 10:05	i. Overview of 2012 Outreach Activities Speakers: Arthur Mariano Lisa Pitman <i>University of Miami, RSMAS</i>	
10:05 – 10:20	ii. 2013 Outreach and beyond Speaker: Julie Hollenbeck <i>University of Miami, RSMAS</i>	
10:20 – 10:30	Breakout Group Objectives Speaker: Tamay Özgökmen	
10:30 – 11:00	Coffee Break <i>Refreshments provided</i>	Crystal Foyer
11:00 – 12:00	Breakout Groups Discussions	Crystal Ballroom Kentia II Boardroom II <i>(subject to change)</i>
12:00 – 13:30	Lunch <i>(provided)</i>	Palm Terrace

AGENDA

Friday, November 9, 2012

		Room
13:30 – 14:15	Breakout Group Discussions (<i>continued</i>)	Assigned Rooms
	Plenary	Crystal Ballroom
14:15 – 15:30	Breakout Group Summaries/Task Assignments	
15:30 – 16:00	Coffee Break <i>Refreshments provided</i>	Crystal Foyer
16:00 – 16:30	Summary and Concluding Remarks Speaker: Tamay Özgökmen	Crystal Ballroom

