

Basic Observation Buoy (BOB) III Workshop

A Focus on Applications and Outreach

Monday, December 13 - Tuesday, December 14, 2010
Jacksonville, FL

Purpose:

The goal of the BOB III Workshop is to expand on the previous workshops by exploring applications of the BOB platforms. BOBs have been implemented in high school through graduate school settings, for STEM activities and actual research investigations. This participant driven workshop will provide an overview of BOB, present "BOBs in Action," and provide the opportunity to expand the range of sensor options. This is also a forum for outreach to broader communities.

Lodging:

Hampton Inn and Suites – Deerwood
4415 Southside Blvd.
Jacksonville, FL 32216

www.jacksonvilledeerwoodpark.hamptoninn.com

Meeting Location:

Marine Science Research Institute, Jacksonville University
2800 University Blvd., N., Jacksonville FL 32211

This address brings you to the intersection of Merrill Road and University Blvd. Enter JU and go straight as far as you can go. Turn right and take the unpaved to the left. You will see the building on the river.

Transportation:

Please notify Megan Treml (megan@secoora.org) if you need transportation to and from the hotel.

Meals:

The hotel has complimentary breakfast. Lunch will be catered Monday and Tuesday on site, and dinner Monday will be a Lowcountry Boil at the Marine Science Research Institute.



A Collaborative Effort: SECOORA, NOAA IOOS, COSEE-SE, Jacksonville University and Kennesaw State University



Final Agenda

Monday, December 13, 2010	
12:00 pm - 1:00 pm	Lunch Introductions/Logistics/Objectives (Lundie Spence) Round the room introductions and quick experience with BOB
1:00 pm - 1:30 pm	What is BOB? (Doug Levin)
1:30 pm - 2:00 pm	Examples of BOB in Action (Lisa Adams) Beaufort High School (Kin Mack and students) Hilton Head Prep (Angela Taylor and students)
2:00 pm - 4:00 pm	Part One: Building a BOB—Platform Design and Modifications Break into 2 groups (Lex Waters and Dan Dickerson as guides) a. Discuss how to cut pipe, modify and test designs, and build platforms for sensors b. Deploy JU BOBs / any other sensors (All, at dock)
4:00 pm - 5:00 pm	Part One: Building a BOB—Specifications (Doug Levin) Define what we want BOB to be in terms of price, specs, etc.
5:00 pm - 5:30 pm	Tour of the Facility (Quint White)
5:30 pm - 6:30 pm	Dinner
Tuesday, December 14, 2010	
8:30 am - 9:30 am	Review of previous day, plans for the day (Lisa Adams) Part Two: Instrumentation/Sensors (Doug Levin) What vendors can contribute (PASCO, YSI, UConn) Challenges of sensors and options—general discussion
9:30 am -10:15 am	Data Download (Doug Levin) Retrieve BOBs from water BOB Data Download, Display and Web Upload
10:15 am - 10:30 am	Break
10:30 am - 12:00 pm	Part 3: Investigations/Research (Lundie Spence) Advanced BOB - Research Designs and Sensors Undergraduate UNC-W (Jeremy Burnett), JU (Quint White), Citadel (Joe Kelley) and UNF - ABOB and RA BOB (Pat Welsh)
12:00 pm - 1:00 pm	Lunch
1:00 pm - 1:30 pm	Part 3: Investigations/Research (Doug Levin) BABs (Build-a-Buoy) - STEM Education
1:30 pm - 3:00 pm	Part 4: Building the regional/national network (Lundie Spence) SECOORA's Vision, potential funding opportunities and collaboration (Lisa Adams) STEM in schools (Doug Levin) Reflections on the Workshop, Next Steps (Lundie Spence)

Participant List

Name	Affiliation
Kinsler Mack	Beaufort High School
Harley Martin	Beaufort High School
Jason Walker	Beaufort High School
Bruce Ford	Clear Science, Inc.
Susan Cook	COSEE Florida; Indian River State College; Ocean Research & Conservation Association
John Taylor	COSEE Florida; Ocean Research & Conservation Association
Lundie Spence	COSEE SE
Angie Golubovich	GTM National Estuarine Research Reserve
Nicole Evans	GTM National Estuarine Research Reserve
Katie Petrinesc	GTM National Estuarine Research Reserve
Matthew Welsh	GTM National Estuarine Research Reserve
Chris Simoniello	Gulf of Mexico Coastal Ocean Observing System (GCOOS)
Angela Taylor	Hilton Head Preparatory School
Crystal Fialkowski	Hilton Head Preparatory School
Lex Waters	Jacksonville University Marine Science Research Institute
Quinton White	Jacksonville University Marine Science Research Institute
Dan McCarthy	Jacksonville University Marine Science Research Institute
Gerry Pinto	Jacksonville University Marine Science Research Institute
Lisa G. Adams	Kennesaw State University
Doug Levin	NOAA Integrated Ocean Observing System
Terri Kirby Hathaway	North Carolina Sea Grant
Alex Dean	North Carolina State University
Amy Sprenger	Northwest Association of Networked Ocean Observing Systems (NANOOS)
Eric Thosteson	Ocean Research & Conservation Association
Daniel Dickerson	Old Dominion University
Korey Champe	PASCO Scientific
Megan Trembl	Southeast Coastal Ocean Observing Regional Association (SECOORA)
Debra Hernandez	Southeast Coastal Ocean Observing Regional Association (SECOORA)
Josie Bryan	St. Mark's Episcopal Day School
Joe Kelley	The Citadel
Ivar Babb	University of Connecticut
Penny Vlahos	University of Connecticut
Thomas Bliss	University of Georgia MAREX Shellfish Lab
Angela Bliss	University of Georgia MAREX/ COSEE SE
David Sybert	University of North Carolina Coastal Studies Institute
Jeremy Burnett	University of North Carolina Wilmington
Pat Welsh	University of North Florida
J. David Lambert	University of North Florida EMMAPS Lab
Kevin McClurg	YSI Inc.