



**SOUTHEAST ACOUSTICS CONSORTIUM WORKSHOP AND FORUM**  
**22-24 March, 2016**  
**Florida Fish and Wildlife Research Institute**  
**St. Petersburg, FL**

**Tuesday March 22, 2016**

<b>8:30 AM</b>	Arrive		
8:45	Welcome and Introductions	Luke McEachron Chris Taylor	FL Fish and Wildlife Conservation Commission NOAA NCCOS
9:00	Keynote	Steve Murawski	USF
<b>Fish Focus I</b>			
9:30	Chris Taylor	Untrawlable Habitat Strategic Initiative: Acoustics and unoccupied underwater video systems for fishery assessments	
9:50	Dale Jaques	Using Imaging Sonars to Measure Changes in the Behaviour and Distribution of Fishes in the Presence of Unmanned Underwater Vehicles	
10:10	<b>Coffee</b>		
10:30	Erik Ebert	Follow the fish to the habitat: Using fishery acoustics to help inform habitat mapping efforts	
10:50	Fabio Campanella	Fish density estimation in hard bottom habitats using acoustic methods	
11:10	Luke McEachron	A graph theoretic approach to assessing reef fish connectivity from benthic habitat maps	
11:30	<b>Discussion</b>		
<b>12:00</b>	<b>Lunch</b>		

<b>Fish Focus II</b>			
1:30	Kevin Boswell	Examining the wide band frequency responses of common reef fishes- comparisons between models and measurements	
1:50	Valerie Samedy	Multi-year analysis of acoustic data in the Gulf of Mexico: comparison between acoustic survey data and ecosystem models	
2:10	<b>Break</b>		
2:30	Jim Locascio	A passive acoustic survey of fish sound production at Riley's Hump within Tortugas South Ecological Reserve: implications regarding spawning and habitat use.	
2:50	Ali Abraham	Classification and detection of Grouper sound	
3:10	Sarah Frias-Torres	Acoustics research on a shoestring: the Seychelles experience	
3:30	<b>Discussion</b>		
<b>6:00 – 9:00 PM</b>	<b>Social / Happy Hour- The Station House</b>		

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<b>8:30 AM</b>	Arrive	
8:45	Recap from Day 1 and Housekeeping	
<b>Integrated Technology</b>		
9:00	Carrie Wall	NOAA's water column sonar data archive: Accessing and archiving data made easy
9:20	Eddie Hughes	Advanced acoustic technologies coupled with video for fish impingement and hardbottom mapping – similar methods but diverse applications
9:40	Chad Lempke	Using Autonomous Underwater Gliders to Map Red Grouper in the Eastern Gulf of Mexico
10:00	<b>Coffee</b>	
10:20	Matt Hommeyer, Sarah Grasty	Benthic Habitat Mapping on the West Florida Shelf: Integration of Multibeam Sonar and Other Technologies
10:40	Kandice Gunning	Mapping and backscatter signal analysis of shallow, sub-tidal, oyster reefs in Mississippi Sound using phase differencing bathymetric sonar.
11:00	David Mann	Loggerhead Instruments and Humu Labs
11:30	Discussion	
12:00	<b>Lunch</b>	

<b>Technology News</b>		
1:30	Tonny Algrøy	Simrad
2:00	Toby Jarvis	What's New in Echoview 7
2:30	<b>Break</b>	
2:45	Josh Mode	Reducing ping-to-chart time through onboard data processing
3:15	Victoria Price	Acoustic data processing, visualization tools for fisheries ecology applications
3:45	Discussion / Closing remarks	
	<b>DINNER offsite</b>	

**Thursday March 24, 2016**

<b>DEMONSTRATIONS</b>	
9:00 am	

