

# NACE/MAS Aquaculture Conference Schedule

**Wednesday, January 9**

Workshops at various times

Field Trips leave at various times (meet in the hotel lobby)

Trade show setup after 12:00 PM

Registration opens in the Hotel Mezzanine Level

Opening Reception in the Grand Ballroom (trade show opens)

**Thursday, January 10**

Registration in the Hotel Mezzanine Level

Plenary Session in the Grand Ballroom

Rapid fire industry updates of issues facing the northeastern states and maritime provinces

Break & Trade Show Opens

	Arlington	Berkley/Claredon	Hancock	Statler	Terrace
	<b>Legal Issues In Aquaculture Panel</b>	<b>Aquaculture GIS</b>	<b>Down on the Oyster Farm: Graders, Tumblers and Solar Power</b>	<b>Shellfish Ecosystems &amp; Services</b>	<b>Aquaculture Genetics</b>
	<i>Co-Chairs: Read Porter &amp; Lindsay Williams</i>	<i>Co-Chairs: Carter Newell &amp; Damian Brady</i>	<i>Chair: Dana Morse</i>	<i>Chair: Steve Kirk</i>	<i>Chair: Yuan Liu</i>
10:30 AM	<p>This session will include a series of seven presentations on emerging legal issues affecting aquaculture in the Northeast Region. Each presentation will include a question-and-answer opportunity, and panelists will participate in a facilitated discussion to end the session. This session will not provide legal advice, but will provide information of use to growers, state regulators, researchers and others throughout the region.</p>	<p>Aquaculture GIS Using Shellfish Growth Models and Data From Buoys To Satellites To Improve Site Selection and Productivity of Mussels, Oysters and Sea Scallops In Maine and U.S. Waters</p>	<p>Oyster producers are justifiably well known for do-it-yourself equipment to do the jobs of tumbling and size sorting/grading their product. In recent years, solar power has made it on to the raft and the boat too. This 'Down on the Oyster Farm' session is a technology transfer discussion - from oyster growers to oyster growers - focused on these important pieces of production equipment. We will feature producers describing their inventions, and the pro's and con's of their use. After the presentations, all growers in the room will vote anonymously on their favorite design, and the winner will receive a copy of either The Eastern Oyster by Kennedy, Newell and Able, or Biology of Oysters, by Brian Bayne, donated by the NACE.</p>	<p>Science To Assess The Global Opportunity for Aquaculture To Aid Ecosystem Recovery <i>Seth Theuerkauf</i></p>	<p>What We Can Learn From Environmental Dna Metabarcoding - Two Aquaculture Examples <i>Yuan Liu</i></p>
10:45 AM				<p>Field Trials Using Point-Of-View Video Cameras To Quantify Fish Interactions With Oyster Aquaculture Cages and Natural Boulder Habitat <i>Renee Mercado-Allen</i></p>	<p>Comparing Rate of Catabolic Metabolism In Diploid, Triploid, and Tetraploid Eastern Oysters <i>Gary H. Wikfors</i></p>
11:00 AM				<p>Documenting Fish Behavior On Aquaculture Gear <i>Gillian Phillips</i></p>	<p>Identifying Metabolite Growth Markers of Sunshine Hybrid Striped Bass (Female <i>Morone chrysops</i> X Male <i>M. saxatilis</i>) Through Liver Tissue Analysis <i>Erin Ducharme</i></p>
11:15 AM				<p>Habitat Restoration In New Haven Harbor Utilizing Lab Cultured Oyster Sets and Reef Balls™ <i>Peter Solomon</i></p>	<p>Genetics, Breeding and Genomics of Mussel Phenotypes for Aquaculture Production <i>Sheila Stiles</i></p>
11:30 AM				<p>Is Oyster Aquaculture The Solution To Our Pollution Problems? <i>Ashley Smyth</i></p>	<p>Progress In Genetic Improvement of Eastern Oysters <i>Ximing Guo</i></p>
11:45 AM				<p>Environmental and Ecological Benefits and Impacts of Oyster Aquaculture (Chesapeake Bay, Virginia) <i>Andy Lacatell</i></p>	<p>Treatment of 17beta-Estradiol and Its Metabolites To Ensure Sustainable Water Management <i>Jessica L. Bennett</i></p>
12:00 PM	Lunch in the Grand Ballroom				

	Arlington	Berkley/Claredon	Hancock	Statler	Terrace
	<b>Mussel Farming</b>	<b>Seaweed Farmers Forum I</b>	<b>Oyster Growers' Forum On Blister Worm Impacts</b>	<b>Aquaculture and Ecosystems</b>	<b>NRAC Symposium</b>
	<i>Chair: Carter Newell</i>	<i>Co-Chairs: Trey Angera &amp; Sarah Redmond</i>	<i>Chair: Paul Rawson &amp; Dana Morse</i>	<i>Chair: Mark Dixon</i>	<i>Chair: Elizabeth Fairchild</i>
1:30 PM	Interannual Analysis of Reproduction and Energy Investment Within A Population of Farmed Blue Mussels ( <i>Mytilus edulis</i> ) <i>Michele Condon</i>	Direct Seeding of Kelp Grow Rope <i>David Bailey</i>	This forum will review the results of a recent survey of Northeastern oyster producers to determine the impacts and management options resulting from <i>Polydora</i> infestations. This will also be a venue for discussion of associated issues, including seed transfers and biosecurity, new observations on effective husbandry options, and mechanisms to aggregate observations from industry and science as tools to work toward solutions.	Ocean Food Systems: A Transdisciplinary, Ecosystems Ecology Approach To Marine Aquaculture <i>Barry Costa-Pierce</i>	What Is NRAC and How Does It Impact Me? <i>Reginal Harrell</i>
1:45 PM	Depth Suitability Assessment for Offshore Mussel Farming and <i>in situ</i> Validation <i>Darien Mizuta</i>	Epibiotic Communities On The Aquacultured Sugar Kelp <i>Saccharina latissima</i> Throughout A Growth Season <i>Judy Li</i>		Ecological Interactions of Horseshoe Crabs and Oyster Aquaculture In The Delaware Bay <i>Daphne Munroe</i>	USDA/NIFA/NRAC Aquaculture Grants Benefit The Northeast Aquaculture Industry <i>Elizabeth Fairchild</i>
2:00 PM	Serial Knots and Mesh Hemicylinders as Anti-Predator Devices On Mussel Culture Ropes <i>Marcel Fréchet</i>	Thermal Acclimation Effect On A Candidate Sea Vegetable Crop, <i>Alaria esculenta</i> <i>Charlotte Quigley</i>		Analytical Investigation of Aquaculture Farm Impacts On Estuarine Dynamics <i>Zhilong Liu</i>	Panel Conversation: How NIFA-NRAC Funding Opportunities Have and Can Continue To Address Northeast Aquaculture Needs  <i>Elizabeth Fairchild</i>
2:15 PM	Analysis of an Array of Submersible Mussel Rafts In Storm Conditions <i>Tobias Dewhurst</i>	Quantifying Nitrogen Assimilation of Kelp Farms In Southern Maine <i>Gretchen Grebe</i>		Modeling Food Choice In Suspension-Feeding Bivalves <i>Emmanuelle Pales Espinosa</i>	
2:30 PM	Challenges and Solutions To Profitable Mussel Farming In Semi-Exposed Open Ocean Conditions Using Submersible Mussel Raft Technology <i>Carter Newell</i>	The Resistance of Macroalgae Including the Invasive Red Alga <i>Grateloupia turuturu</i> to Common Biosecurity Protocols <i>Kyle Capistrant-Fossa</i>		Discussion	
2:45 PM	Development of Ribbed Mussel ( <i>Geukensia demissa</i> ) Conditioning and Spawning Procedures <i>Joshua Perry</i>	Selectively Improving Strains of Sugar Kelp <i>Saccharina latissima</i> for Food and Fuel <i>Scott Lindell</i>			
3:00 PM	<b>Break in the Grand Ballroom</b>				
	Arlington	Berkley/Claredon	Hancock	Statler	Terrace
	<b>Climate Change – why should shellfish growers care and what is the Shellfish Growers Climate Coalition?</b>	<b>Growing Aquaculture Businesses</b>	<b>Scallop Farming</b>	<b>Site Selection</b>	<b>Emerging Species</b>
	<i>Chair: Sally McGee</i>	<i>Chair: Rich Langton</i>	<i>Chair: Dana Morse</i>	<i>Chair: Matthew Poach</i>	<i>Chair: Brian Beal</i>
3:30 PM	This session will include a presentation on the purpose and goals for the Coalition, and current and future impacts of climate change on farms and other businesses. Presenters will include Coalition members, the East Coast Shellfish Growers Association, and the Nature Conservancy. There will be ample time for questions and discussion.	Focusmaine Aquaculture Industry Growth Initiative <i>Chris Vonderweidt</i>	Bay Scallop ( <i>Argopecten irradians</i> ) Nursery and Growout Optimization In Diverse Environments On Cape Cod <i>Daniel Ward</i>	MA-Shellfast: A GIS-Based Tool for Shellfish Aquaculture Siting and Permitting <i>Read Porter</i>	Assessing The Potential for Aquaculture Production of Surf Clams In Southern New England <i>Josh Reitsma</i>
3:45 PM		The Massachusetts Shellfish Initiative (MSI): Developing A State-Wide Plan for Maximizing Economic, Environmental, and Social Benefits of Shellfish Resources In Massachusetts <i>Scott Soares</i>	Infection Dynamics and Mitigation Strategies of A Marine Macroparasite In Bay Scallop Aquaculture <i>Harrison Tobi</i>	Identifying Efficiencies In Aquaculture Review Through The Development of A State-Wide Aquaculture Permitting Plan for Massachusetts <i>Chris Schillaci</i>	Diversifying The Northeast's Aquaculture Sector By Developing Culture Techniques for The Atlantic Surfclam ( <i>Spisula solidissima</i> ) <i>Michael Acquafredda</i>
4:00 PM		Maine Commercial Demonstration Oyster Farm <i>Chris Vonderweidt</i>	Advancing Purple-Hinge Rock Scallop Aquaculture In The Pacific Northwest <i>Joth Davis</i>	Optimizing Site Selection for Kelp-Oyster Cultivation Systems In Rhode Island <i>Lindsay Green-Gavrielidis</i>	Arctic Surfclams, <i>Mactromeris polynyma</i> : Growth and Survival of Cultured Juveniles Along The Maine Coast <i>Brian Beal</i>
4:15 PM		Growing Export Markets <i>Colleen Coyne</i>	Maine Scallop Aquaculture Development Initiative: Community Development Through International Tech-Transfer <i>Hugh Cowperthwaite</i>	Opportunities for Aquaculture On The Massachusetts South Coast: A Sector Analysis <i>Nick Branchina</i>	Cost Effective Production of Blue Mussel, <i>Mytilus edulis</i> , Seed for Rope Culture: A Hatchery Solution <i>Kyle Pepperman</i>
4:30 PM		Europe's Oyster Market & Trade Opportunities <i>Alexander Wever</i>	Update on Scallop Spat Collection and Biotxin Testing in Maine <i>Dana Morse</i>	The Business of Floating Aquaculture: Reduced Mortality, Fouling Management and Floating Best Practices <i>Ben Lord</i>	Atlantic Razor Clams, <i>Ensis leei</i> , An Emerging Aquaculture Species: Field and Laboratory Trials With Cultured Juveniles In Eastern Maine <i>Brian Beal</i>
4:45 PM		Discussion	Discussion	South Portland Pier Aquaculture and Fishing Industry Needs Assessment <i>Chris Vonderweidt</i>	Soft-Shell Clam, <i>Mya arenaria</i> , Aquaculture In Maine: Can Barriers Be Overcome To Encourage Farming Enterprises? <i>Brian Beal</i>
5:00 PM	<b>Poster Session &amp; Happy Hour in the Grand Ballroom</b>				
6:00 PM	<b>Dinner on your own out on the town</b>				

Friday, January 11					
7:00 AM	Registration in the Hotel Lobby				
	Arlington	Berkley/Claredon	Hancock	Statler	Georgian
	<b>Offshore Aquaculture Permitting</b>	<b>Seaweed Farmers Forum II</b>	<b>Training &amp; Workforce Development</b>	<b>Farm Management and Record Keeping Tools</b>	<b>Ocean Acidification I</b>
	<i>Co-Chairs: Dan Giza, Tim Hogan &amp; Kevin Madley</i>	<i>Co-Chairs: Trey Angera &amp; Sarah Redmond</i>	<i>Co-Chairs: Anne Langston &amp; Chris Vonderweidt</i>	<i>Chair: Josh Reitsma</i>	<i>Co-Chairs: Meredith M White &amp; Carolina Bastidas</i>
8:00 AM	Epa's Role In Regulating Offshore Aquaculture <i>Eric Nelson</i>	Investigating The Viability of <i>Gracilaria tikvahiae</i> As A Candidate Species for Commerical Aquaculture In Connecticut <i>Anoushka Concepcion</i>	A New, International Ocean Food Systems Professional Science Masters At The University of New England <i>Barry Costa-Pierce</i>	From environmental data like temperature and salinity to husbandry practices, equipment usage and team management there is a ton of data you could collect on a farm. Likewise, there are a number of ways to collect and use that information, which will vary from operation to operation. This workshop will have several growers explain their current systems of farm management and record keeping with open discussion of merits and caveats encouraged. These will range from traditional methods to more emerging technology. Also included will be discussion on important data to collect on your farm, including input on records important for farm tools like USDA Risk Management programs.	Chemical Changes In The Environment: What Does This Mean To Shellfish? <i>Shannon Meseck</i>
8:15 AM	NOAA Fisheries Offshore Marine Aquaculture Permitting Role and Support <i>Kevin Madley</i>	Investigating Potential Supply Chains for Seaweed Production In The Northeast United States <i>Dawn Kotowicz</i>	Educating Future Seafood Producers: Seafood Science and Aquaculture Curriculum Development and Dissemination <i>Michael Ciaramella</i>		Linking Regional Ocean and Coastal Acidification Research Efforts With Community Stakeholders and Aquaculture Industry Water Monitoring <i>Parker Gasset</i>
8:30 AM	Announcing The Ocean Reporting Tool: A Web-Based Automated Spatial Analysis Tool To Inform Permitting of Offshore Aquaculture <i>James Morris</i>	Sustainable Post-Harvest Processing and Value-Addition of Aquacultured Seaweed <i>Balu Nayak</i>	Building A Skilled Seafood Workforce: Fish To Dish Education and Internship Program <i>Michael Ciaramella</i>		Effects of Repeated Exposure To Ocean Acidification On Juvenile Pacific Geoduck <i>Panopea generosa</i> <i>Samuel J. Gurr</i>
8:45 AM	The Northeast Ocean Data Portal - A Resource for Decision-Making <i>Nicholas Napoli</i>	An Ecosystem Approach to Seaweed Aquaculture, Valuing Ecosystem Services, or What's a Cow Burp Worth? <i>Tammy Murphy</i>	RI Aquaculture Training Partnership <i>Cameron Ennis</i>		Forecasting Coastal Waters In The Northeast <i>Parker Gasset</i>
9:00 AM	Aquaculture Gear and Protected Species Risk In New England <i>Hauke Kite-Powell</i>	Effects of Particle Size On The Bio-Accessibility of Bioactive Compounds of Sugar Kelp ( <i>Saccharina latissima</i> ) In An <i>in-vitro</i> Simulated Gastrointestinal Tract (GIT) Model <i>Praveen Sappati</i>	Maine Aquaculture Statewide Training Strategy <i>Chris Vonderweidt</i>		A Slow Growing Perspective On Multi-Generational Responses To Future Change. <i>Coleen Suckling</i>
9:15 AM	Offshore Finfish Site Selection In The Northeast United States of America - A Deep Dive Into Manna Fish Farms Site Selection Process. <i>Donna Lanzetta &amp; James Morris</i>	Round Table Panel Discussion	Things you Should Know about Aquaponics before Investing <i>Joe Butner</i>		Effects of Ocean Acidification On The Physiology of Subadult American Lobsters <i>Amalia Harrington</i>
9:30 AM	Permitting An Offshore Mussel Farm In Federal Waters In The Gulf of Maine: A Case Study <i>Edward (Ted) Maney Jr.</i>		Aquaculture in Shared Waters Training Program <i>Chris Davis &amp; Dana Morse</i>	Projected Impacts of Future Climate Change, Ocean Acidification, and Management On The Us Atlantic Sea Scallop ( <i>Placopecten magellanicus</i> ) Fishery <i>Jennie Rheuban</i>	
9:45 AM	Discussion		Prototype Aquaculture Business Accelerator Program <i>Chris Vonderweidt</i>	Kelp Farming As A Potential Strategy for Remediating Ocean Acidification and Improving Shellfish Cultivation <i>Brittney L. Honisch</i>	
10:00 AM	Break in the Grand Ballroom				
	Arlington	Berkley/Claredon	Hancock	Statler	Georgian
	<b>Offshore Aquaculture Technology I</b>	<b>Effective Communication Strategies to Engage the Public About Seafood and Aquaculture</b>	<b>Training &amp; Workforce Development Round Table Discussion</b>	<b>Shellfish Hatchery &amp; Nursery Technology</b>	<b>Ocean Acidification II</b>
	<i>Co-Chairs: Rob Vincent &amp; Mike Chambers</i>	<i>Chair: Tessa Getchis</i>	<i>Co-Chairs: Anne Langston &amp; Chris Vonderweidt</i>	<i>Chair: David Veilleux</i>	<i>Co-Chairs: Meredith M White &amp; Carolina Bastidas</i>
10:30 AM	Design Considerations For A Kelp Longline Exposed To Waves and Currents <i>Tobias Dewhurst</i>	Communicating Aquaculture: The Role of Media & Informal Education Institutions On Public Perceptions <i>Kristen Jabanoski</i>	We invite anyone and everyone teaching, participating in, or simply interested in aquaculture training programs to join this roundtable discussion and share details of your training and workforce development programs, tell us about your training experience, meet fellow educators , explore the use of technology to enhance training and create cross-institutional connections.	Introducing a New Disinfectant for U.S. Aquaculture - Peracetic Acid <i>Dave Straus</i>	Recirculating Aquaculture Systems and Their Use With Ocean Acidification Research <i>Robert Harrington</i>
10:45 AM	Monitoring of Macroalgae Farms With Autonomous Underwater Vehicles <i>Erin Fischell</i>	Aquaculture Tours for The Public Rhode Island: Opportunities for Cross-Learning and Conflict Resolution <i>Azure Cygler</i>		Managing Bacterial Shellfish Pathogens In Commercial Hatcheries: Advances In Probiotic Research At NOAA's Milford Laboratory Through Public and Private Partnerships. <i>Diane Kapareiko</i>	Population Differences In Response To Ocean Acidification In Blue Mussels - It Is Not All Bad News <i>Dianna Padilla</i>
11:00 AM	Development of An Integrated Multi-Trophic Aquaculture Raft for Inshore and Offshore Use. <i>Corey Sullivan</i>	Public Knowledge, Perceptions, and Preferences Towards Connecticut Wild-Caught and Farmed Seafood <i>Tessa Getchis</i>		Effects of Probiotics and Pathogen On <i>Crossostrea virginica</i> Larval Immunity. <i>Tejashree Modak</i>	Evaluating Gene Expression Responses of The Eastern Oyster, <i>Crossostrea virginica</i> , Under Ocean Acidification <i>Alan Downey-Wall</i>
11:15 AM	An Instrument for Measuring <i>in-situ</i> Tensions In Mooring System Aquaculture Gear. <i>David Fredriksson</i>	Developing Aquaculture Approaches for Communities and Stakeholders Engagement and Resiliency <i>Elizabeth Hayes</i>		Coculture of Probiotic Bacteria In Algal Feedstocks for Disease Management In Bivalve Hatcheries <i>Samuel Hughes</i>	Assessment of The Aquaculture Industry's Questions and Priorities Regarding Ocean Acidification Research Directions <i>Meredith M White</i>
11:30 AM	Design of Offshore Infrastructure for Continuous Production of Kelp <i>Zach Moscicki</i>	Discussion		Cornell Cooperative Extension of Suffolk County Algae Expansion <i>Joshua Perry</i>	Industry discussion on concerns and priorities for OA research and management
11:45 AM	A 3D Numerical Model to Simulate the Dynamics of Longline Kelp Farms In Waves <i>Longhuan Zhu</i>			Converting Algae Hatchery Art Into Technology <i>William van der Reit</i>	
12:00 PM	Lunch in the Grand Ballroom with guest speaker Dr. Sean Birkel, Maine State Climatologist				

12:00 PM	<b>Lunch in the Grand Ballroom with guest speaker Dr. Sean Birkel, Maine State Climatologist</b>				
	Arlington	Berkley/Claredon	Hancock	Statler	Georgian
	<b>Offshore Aquaculture Technology II</b>	<b>Disease Threats in a Changing Environment I</b>	<b>Maine SEANET Reseach Results</b>	<b>Public Health Issues on the Farm</b>	<b>Economic and Management Implications of Nitrogen</b>
	<i>Co-Chairs: Rob Vincent &amp; Mike Chambers</i>	<i>Co-Chairs: Bassam Allam &amp; Caroline Schwaner</i>	<i>Chair: Meggan Dwyer</i>	<i>Chair: Christopher Schillaci</i>	<i>Chair: Steve Kirk</i>
1:30 PM	Investigating Helical Anchors for Aquaculture Anchoring Systems <i>Melissa Landon</i>	Shellfish Health In A Changing Environment <i>Bassem Allam</i>	Evaluating and Sourcing Detritus As A Supplementary Diet for Bivalve Aquaculture <i>Adrianus Both</i>	Assessment of Microbiological Pathogens On Sugar Kelp <i>Saccharina latissima</i> Farmed In Coastal Waters of Maine <i>Olivia Barberi</i>	High Density Aquaculture for Nitrogen Removal In Impaired Estuaries <i>Eric Karplus</i>
1:45 PM	Selecting The "Right" Finfish Species for Manna Fish Farms' Offshore Finfish Aquaculture Permitting In The Northeast United States of America <i>Donna Lanzetta</i>	A Histopathological Survey of Stress Conditions and Parasites in Farmed Blue Mussels ( <i>Mytilus edulis</i> ) in a Changing Gulf of Maine <i>Connor Jones</i>	Maine Seanel: Carrying Capacity and Food Web Interactions on Bivalve Farms <i>Carrie Byron</i>	Effect of Gear Type and Season On <i>Vibrio parahaemolyticus</i> and <i>V. vulnificus</i> In Farm-Raised Oysters ( <i>Crassostrea virginica</i> ), After Routine Handling <i>Victoria Prunte</i>	A Multidisciplinary Approach to Determine the Nutrient Bioextraction Value of Commercially Aquacultured Shellfish: A Pilot Study In Greenwich, CT USA <i>Mark S. Dixon</i>
2:00 PM	An Update On Results From Offshore Shellfish Aquaculture In Federal Waters of The Atlantic <i>Edward (Ted) Maney Jr.</i>	The Dynamics of The Atlantic Sea Scallop ( <i>Placopecten magellanicus</i> ) Infection of The Apicomplexan Parasite <i>Merocystis kathae</i> <i>Allex Gourlay</i>	Survival of Foodborne Pathogens During Production and Shelf Life of Fresh, Value-Added Seaweed Products <i>Jennifer Perry</i>	Effects of Massachusetts and Rhode Island <i>Vibrio</i> Control Plan Regulations On <i>Vibrio parahaemolyticus</i> In Post-Harvest Eastern Oysters ( <i>Crassostrea virginica</i> ) <i>Mattison Peters</i>	Nutrient Bioextraction Initiative: Removing Excess Nitrogen In NY and CT Waters Through Aquaculture <i>Nelle D'Aversa</i>
2:15 PM	Automated Tools for Detecting Entanglement Risks Associated with Aquaculture <i>Peter Vonk</i>	Ocean Acidification Increases Susceptibility To Infection In The Eastern Oyster ( <i>Crassostrea virginica</i> ) and Northern Quahog ( <i>Mercenaria mercenaria</i> ) <i>Caroline Schwaner</i>	Overwintering Strategies of the Salmon Louse <i>Lepeophtheirus salmonis</i> <i>Ian Bricknell</i>	A panel of diverse industry professionals, state regulatory authorities, and researchers will discuss these emerging requirements, the science behind them, and how growers are adapting to this evolving landscape.  <i>Christopher Schillaci</i>	Estimation of Monetary Values Associated With Nitrogen Sequestration and Removal Functions of Clams and Oysters: An Allocated Replacement Cost Approach <i>Anthony Dvaskas</i>
2:30 PM	Minimizing Interactions With Protected Species Through Gear Design and Monitoring Efforts At An Offshore Shellfish Farm In Federal Waters In The Gulf of Maine <i>Edward (Ted) Maney Jr.</i>	Investigating The Role of Apoptosis In Disease Resistance to Dermo In the Eastern Oyster, <i>Crassostrea virginica</i> <i>Erin Roberts</i>	Examining Attitudes and Willingness To Pay for Aquacultured Seafood Attributes <i>Kofi Britwum</i>		The Role for Shellfish Aquaculture Practices In Regulatory Nitrogen Reduction On Cape Cod, MA <i>Sara Burns</i>
2:45 PM	Enabling Technologies In Open Ocean Mariculture Farming Platforms <i>Felipe Ramirez</i>	Detection of <i>Bonamia exitiosa</i> In American Oysters ( <i>Crassostrea virginica</i> ), a New Host Species <i>Cem Giray</i>	Impact of Product Presentation Strategy On Consumer Behavior In The Seafood Market <i>Olga Bredikhina</i>		Discussion
3:00 PM	<b>Break in the Mezzanine</b>				
	Arlington	Berkley/Claredon	Hancock	Statler	Georgian
	<b>Right Whale Interactions with Aquaculture Gear</b>	<b>Disease Threats in a Changing Environment II</b>	<b>From BUPSY to FLUPSY – Beyond Beatrix Potter in Shellfish Nursery Technologies</b>	<b>Public Health Issues on the Farm</b>	<b>Seafood certification programs - who is doing it and who cares?</b>
	<i>Chair: Matthew Thompson</i>	<i>Co-Chairs: Bassam Allam &amp; Caroline Schwaner</i>	<i>Co-Chairs: Dale Leavitt &amp; Chris Davis</i>	<i>Chair: Christopher Schillaci</i>	<i>Chair: Sebastian Belle</i>
3:30 PM	Panel Discussion on the Risk of Entanglement Between The North Atlantic Right Whale and Suspended Marine Aquaculture: Learning From Fixed Gear Fisheries, With A Focus On Knowledge Gaps Needed for The Aquaculture Industry.	Managing Marine Aquaculture Health in a Changing World <i>Ryan Carnegie</i>	Development of Experimental and Computational Methods for Improving Upweller Flow Characteristics <i>Andrew Goupee</i>	Continuation of Public Health Issues on the Farm Panel Discussion	This session will provide an overview of the various certification programs with respect to the technical areas they cover, and methods they use to provide assurances in a rapidly evolving and complicated production environment. A panel of buyers and growers will follow with a discussion of how markets are responding to the various programs and what challenges may occur that reduce buyer and grower engagement.
3:45 PM		East Coast Molluscan Health Initiative Part 1: The Database <i>David Bushek</i>	The floating upweller system (FLUPSY) has been in common use in the northeast for the past 20 years or more and during that time there have been numerous modifications to the technology to make it more productive. More recently, the bottle upweller system (BUPSY) has started to see more use as a nursery culture technology preceding the conventional upweller stage. This workshop will cover our current state of knowledge with these technologies and will offer strategies to make these systems work more effectively. Included will be examples of current designs and modifications to off-the-shelf systems that make them more user friendly.		
4:00 PM		East Coast Molluscan Health Initiative Part 2: Hatchery Certification <i>Lisa Calvo</i>			
4:15 PM		East Coast Molluscan Health Initiative Part 3: Interactive Database Demo <i>Lucas Marxen</i>			
4:30 PM					
4:45 PM	Discussion				
5:00 PM	<b>Closing Refreshments in the Mezzanine</b>				