

INDUSTRY DAY

11TH INTERNATIONAL

Conference and Workshop



on
LOBSTER

Biology & Management

Portland, Maine 4-9 June 2017



Dear Participants,

On behalf of the Steering Committee, we are pleased to welcome you to the **11th International Conference and Workshop on Lobster Biology and Management**, hosted by the University of Maine and Boston University in Portland, Maine.

This ICWL, like those before it, promises to be an exciting week of scientific presentations and discussions, featuring presentations of interest to industry members, resource managers, biologists, economists and social scientists.

As large, charismatic species, lobsters of all stripes often find themselves at the center of scientific research and in the media spotlight. Lobster fisheries are important economic drivers of coastal communities around the world. Indeed, lobsters are poster children of a marine environment increasingly under the pressures of human exploitation and environmental change. The 200+ abstracts in this program reflect the activity of a vibrant international community of researchers and industry members striving to understand what makes lobsters tick and keep their fisheries sustainable.

We thank you all for attending this conference and invite you to enjoy the many pleasures of Portland, from its microbreweries to its portside restaurants to its fabulous vistas and islands. We hope that you immerse yourself in the technical program and enjoy interacting with the varied participants.

Welcome to Portland!

Richard A. Wahle, Ph.D.
11th ICWL Co-Chair
Research Professor
University of Maine

Kari L. Lavalli, Ph.D.
11th ICWL Co-Chair
Senior Lecturer
Boston University



Hosts

University of Maine, Orono, Maine
Boston University, Boston, Massachusetts

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Gold: Maine Department of Marine Resources

Silver: Clearwater Seafoods, Northeast SeaGrant Consortium

Bronze: New Zealand Rock Lobster Industry, University of New England, University of Maine Office of the Vice President for Research, Massachusetts Division of Marine Fisheries, Ready Seafood, University of Maine Reinvestment Research Fund

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Co-Chairs

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Dr. Kari Lavalli, College of General Studies, Division of Natural Sciences & Mathematics, Boston University, 871 Commonwealth Avenue, Boston, Massachusetts 02215 USA

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Industry Day Technical Program Committee

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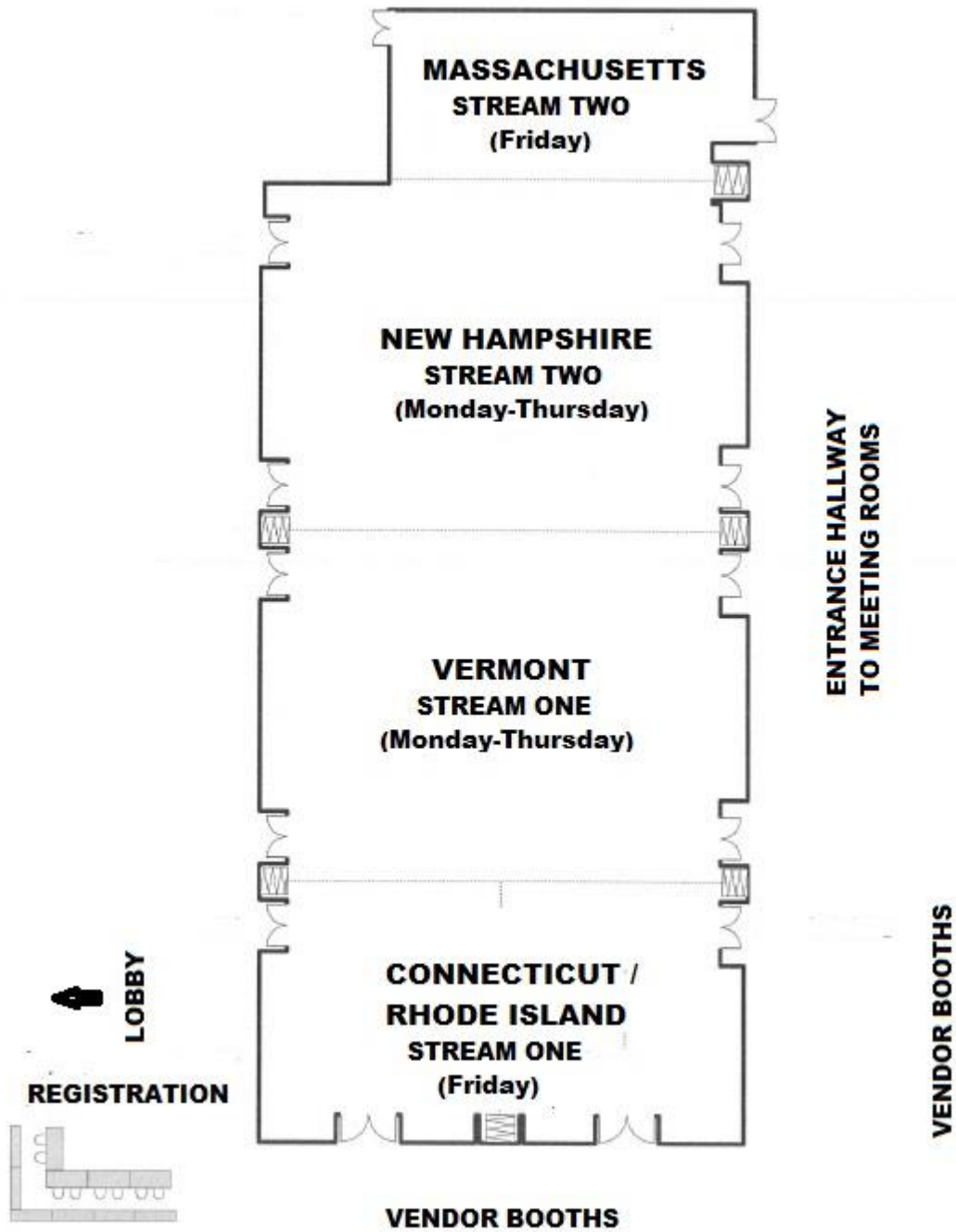
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Ms. Beth Casoni, Massachusetts Lobsterman's Association, Scituate, MA, USA

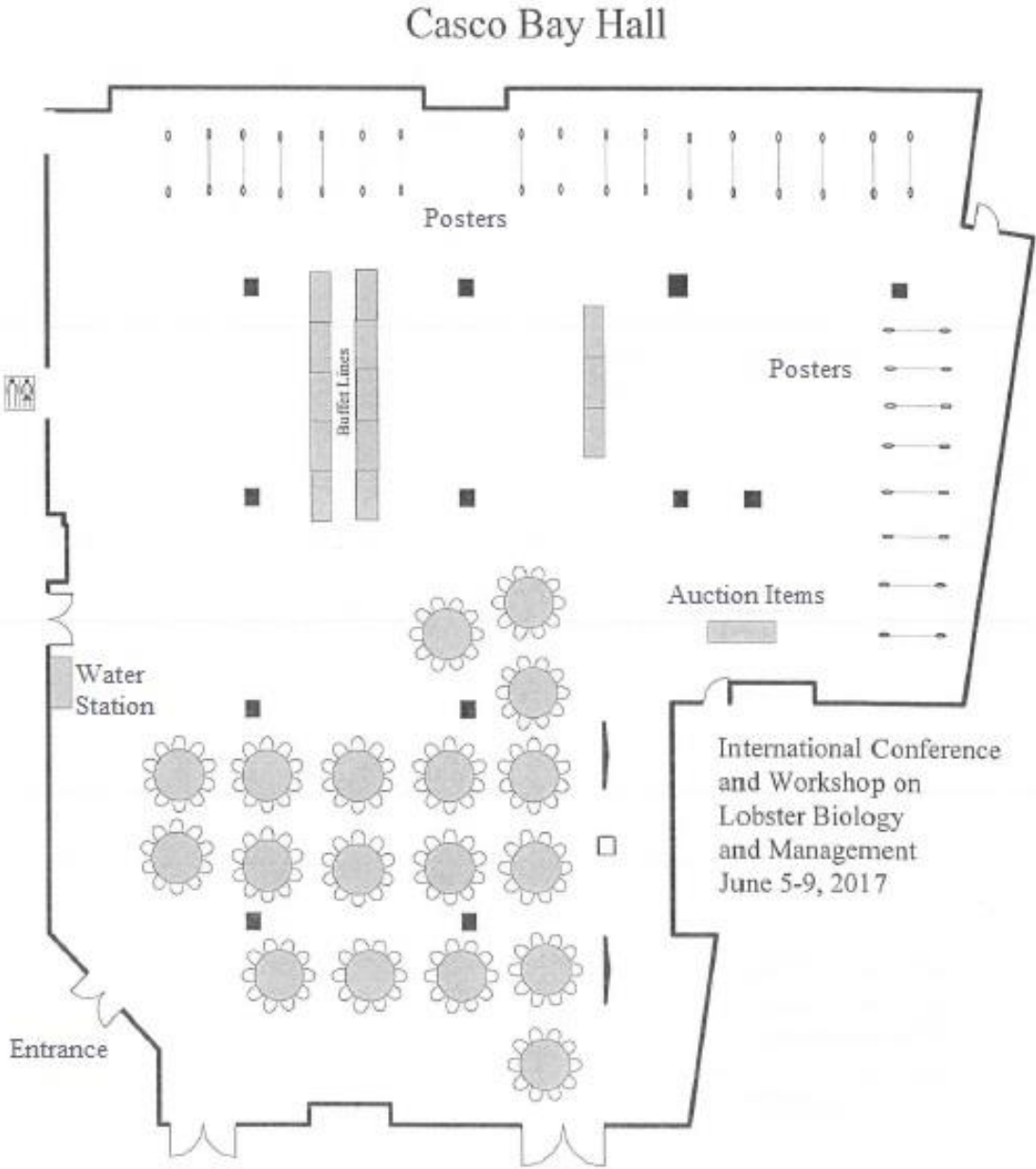
Ms. Patricia McCarron, Maine Lobstermen's Association, Kennebunk, ME, USA

Dr. Jean Lavallée, Aquatic Sciences & Health Services, Charlottetown. PEI, Canada

REGISTRATION, VENDORS, AND SESSION ROOMS



BREAKFASTS, KEYNOTES, LUNCHESES, AND POSTER SESSIONS





11th ICWL Program For Industry Day

Thursday June 8, 2017

Sponsored by: New Zealand Rock Lobster Industry Council, Ready Seafood Co., East Coast Seafood, Little Bay Lobster, Clearwater Seafoods, Tangier Lobster Co. Ltd., UMaine System Research Reinvestment Fund

8:00 am-5:00 pm	Registration, Holiday Inn by the Sea	
8:30-9:30 am	BREAKFAST, Casco Bay	
8:30-9:00 am	Industry Day Welcome PATRICK KELIHER (Maine Dept. Marine Resources) & DAVID COUSENS (Maine Lobstermen's Association)	
9:00-9:45 am	Keynote Address - BOB STENECK - <i>Escaping Maine's Gilded Lobster Trap: Thinking about Long-Term Strategies</i>	
9:45-10:15 am	Health Break	
	STREAM ONE - Vermont	STREAM TWO - New Hampshire
	INDUSTRY DAY: Science - Industry Collaborations Chair: <i>Curtis Brown</i>	INDUSTRY DAY: Adaptive Harvesting and Management Strategies Chair: <i>Susie Arnold</i>
10:15-10:30 am	Massachusetts: the cross-roads for lobster - <i>Beth and Dave Casoni</i> (<i>Mass. Lobstermen's Association</i>)	A climate of change: fishermen, scientists, and managers share information to prepare for an uncertain future - <i>Susie Arnold, N. Battista, H. Deese</i>
10:30-10:45 am	Ready Seafood: 15 years of shipping lobsters around the world - <i>Brendan Ready</i> (<i>Ready Seafood Co.</i>)	Ecological sustainable development (or triple bottom line assessment) of western rock lobster fishery: What is optimal target of fishing? - <i>Nick Caputi, S. de Lestang, J. How, F. Trinnie</i>
10:45-11:00 am	Challenges of a changing industry- <i>Eric Branton</i> (<i>Clearwater Seafood</i>)	Though the eyes of industry: an investigation of how stakeholders in the lobster fishery synchronize their behavior with the spring lobster molt - <i>Kevin W. Staples</i>
11:00- 11:15 am	Improving quality and profitability in the New Zealand rock lobster fishery: utilizing science to make money - <i>Malcolm Lawson</i>	Management strategies to improve ecosystem services and increase industry profitability - <i>Klaas Hartmann, C. Gardner, H. Revill</i>
11:15-11:30 am	Global trade routes of lobster (<i>Homarus spp.</i>) - <i>Joshua Stoll</i> (<i>UMaine</i>), <i>Beatrice Crona</i>	Evaluation of modified lobster trap vents in the southern New England lobster fishery - <i>Laura Skrobo, K. Castro, M. Hatzipetro, L. Dellinger, H. Henninger, D. Borden, B. Shank, B. Glen, M. Gibson</i>
11:30-11:45 pm	Tablets and temperature loggers: collecting data with the CFRF lobster and Jonah crab research fleet - <i>Anna Malek Mercer</i> (<i>Commercial Fisheries Research Foundation</i>)	Not enough lobsters to go around!- Management challenges and solutions of regional stock rebuilding and resource sharing in the Tasmanian east coast rock lobster fishery - <i>Hilary M. Revill, R. Pearn</i>
11:45-12:00 pm	Costs and benefits of reducing soak time in the European spiny lobster (<i>Palinurus elephas</i>) trammel-net fishery - <i>Sandra Mallol, D. Diaz, A. Muñoz, R. Goñi</i>	A long-term unfished population exposes depleted status of Mediterranean lobster fisheries - <i>Raquel Goñi</i>
12:15-1:15 pm	LUNCH (PROVIDED)	

Thursday June 8, 2017 (continued)

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1:15-2:00 pm	Keynote Address - MARK EDWARDS - <i>Celebrating Two Decades Of Collaboration Between New Zealand Rock Lobster Industry Participants, Government Agencies, And Internationally Recognized Stock Assessment Scientists</i>	
	STREAM ONE - Vermont	STREAM TWO - New Hampshire
	INDUSTRY DAY: Science - Industry Collaborations <i>Chair: Curtis Brown</i>	INDUSTRY DAY: Adaptive Harvesting and Management Strategies <i>Chair: Nick Caputi</i>
2:00-2:15 pm	Uniquely Prince Edward Island: the island perspective on the lobster levy, marketing, and quality - Melanie Giffin (PEI Fishermen's Association)	An analysis of Maine lobster vessel-level profitability under changing conditions - Alexa Dayton
2:15-2:30 pm	A Network of Science and Industry for Sustainable Fisheries - Jessica Cosham (Fishermen & Scientist Research Society)	The effects of temporary exclusion of activity due to windfarm construction on a lobster (<i>Homarus gammarus</i>) fishery suggests a potential management approach - Michael D. Roach, M. Cohen, R. Forster, M.L. Johnson
2:30-2:45 pm	Post-harvest mortality related to high speed trap haulers - Bob Bayer (The Lobster Institute)	Threatened yet unknown: preliminary and fundamental ecological knowledge of the Easter Island spiny lobster - Alvaro T. Palma, I.A. Hinojosa, J. Aburto, C. Gaymer, B. San Martin, Michel Garcia
2:45-3:00 pm	Modernization of an industry peak representative association - Kim Colero, N. Sofoulis	Impact of increasing fishing effort efficiency under effort and quota management systems applied to the Western Australian rock lobster fishery - Jim Penn, S. de Lestang, N. Caputi
3:00-3:30 pm	HEALTH BREAK	

Thursday June 8, 2017 (continued)

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	STREAM ONE - Vermont	STREAM TWO – New Hampshire
	INDUSTRY DAY: Science – Industry Collaborations <i>Chair: Curtis Brown</i>	INDUSTRY DAY: Adaptive Harvesting and Management Strategies <i>Chair: Teresa Johnson</i>
3:30-3:45 pm	From lobsters to dollars: an economic analysis of the distribution supply chain in Maine – Michael R. Donihue & <i>Annie Tselikis</i>	A risk equivalency tiered approach for the Torres Strait <i>Panulirus ornatus</i> fishery – Eva E. Piaganyi-Lloyd , <i>R. Deng, R. Campbell, D. Dennis, T. Hutton, M. Tonks, M. Haywood</i>
3:45-4:00 pm	The rocky lobster of the Atlantic French coast saved thanks to management: Involving fishermen to improve biological and ecological knowledge – Martial M. Laurans , <i>E.E. Quemeneur</i>	Lobstermen behavior and market integration: the impact of rising ocean temperature and emerging Chinese demand on US American lobster landings and prices – Jenny Sun , <i>F. Chiang, B. Franklin, B. Kennedy</i>
4:00-4:15 pm	The challenges of developing spiny lobster fishery management policies in Florida incorporating close stakeholder involvement: a case study – John H. Hunt , <i>W.C. Sharp, J.R. McCawley</i>	Harmful algal blooms – a new phenomenon and management challenge for the Tasmanian rock lobster fishery – Hilary Revill , <i>G. Pullen</i>
4:15-4:30 pm	Lobster and ocean planning: a spatial characterization of the lobster fishery for the New England regional planning body – Nick Battista , <i>R. Clark Uchenn, S. Belknap, G. Lapointe</i>	An evaluation of fisher compliance with marine protected areas that prohibit lobster traps – Gabrielle F. Renchen , <i>T.R. Matthews</i>
4:30-4:45 pm	The trans-Atlantic trade in live lobsters: Should the EU build a wall? – Magnus Johnson , <i>B.C. Pierce, S.P. Eriksson, A-L. Agnalt</i>	The graying of Maine’s lobster fleet and potential implications for social resilience – Teresa R. Johnson , <i>M. Mazur</i>
5:45-10:00 pm	CASCO BAY CRUISE/LOBSTER BAKE ON PEAK’S ISLAND	