



Conference
Feb. 20-22
Tour
Feb. 21-22

Feb. 20-22, 2014
DoubleTree by Hilton Hotel
New Bern Riverfront
100 Middle Street,
New Bern, NC 28560

Navigating Currents of Change

2014 NC Aquaculture Development Conference

Register online at: www.ncaquaculture.org

Anyone with an interest in fish or shellfish farming, including prospective growers, researchers, teachers, students or agency persons with jobs related to aquaculture. The conference is also suited to persons who sell goods or services to the aquaculture industry.

February 20-22, 2014
Conference — February 21-22
Tour — February 20

Who Should Attend?

Please Route to Appropriate Staff

Campus Box 7625, NC State University
Raleigh, NC 27695

DEVELOPMENT CONFERENCE
AQUACULTURE
NORTH CAROLINA

26th Annual

PRESORTED
FIRST CLASS MAIL
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PERMIT #1910
RETURN SERVICE REQUESTED

Thursday February 20, 2013 Aquaculture Farm Tour

10:00 – 11:00am
Tour MARC Lab,
Marshallberg, NC
(NCSU, Marine Aquaculture
Research Center)

11:00am – 12:00pm
Tour Marshallberg Farms,
(Sturgeon)
Marshallberg, NC

12:00 – 2:00pm
Lunch on your own /
Drive to Vanceboro

2:00 – 3:00pm
Tour White Rock Fish Farm
(Ted Davis)
Vanceboro, NC

Corporate Sponsors

Pentair Aquatic Eco-Systems
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Sponsors

NC Aquaculture Association
NC Cooperative Extension
NC Department of Agriculture
& Consumer Services
NC Farm Bureau Federation
NC Sea Grant Program
NC Shellfish Growers
Association
NC Small Business &
Technology Development
Center
NC State University College of
Agriculture & Life Sciences
Pentair Aquatic Eco-Systems

Meet our Speakers



Ms. Karen Hudson is the Commercial Shellfish Aquaculture Specialist at the Virginia Institute of Marine Science. Karen provides a singularly focused point of contact for industry, communities and agencies whose actions directly or indirectly impact the conduct and expansion of shellfish aquaculture in Virginia. She is actively involved in fostering the development of applied research projects to address complex shellfish culture problems as well as facilitating the development of new techniques in shellfish culture. Karen provides advice and assistance for both commercial and non-commercial molluscan shellfish growers.



Dave Haider is co-founder of Urban Organics located in St. Paul, Minnesota in the long abandoned Hamm's Brewery. Drawing on years of hands-on experience with aquaculture, horticulture and water systems, Dave began planning for Urban Organics in 2010. Urban Organics grows organic produce and tilapia year-round in a state-of-the-art aquaponics operation with peak annual production estimated to be 720,000 pounds of organic produce and 150,000 pounds of tilapia. Pentair is a partner in the operation, providing equipment and expertise to create the sustainable, closed-loop system.



Dr. Carole R. Engle is an Aquaculture Economist at the Univ. of AR, Pine Bluff with more than 30 years experience in the analysis of economics and marketing issues related to aquaculture businesses. She continues her research and extension efforts in the economics and marketing of aquaculture with particular emphasis on identifying farm management strategies that enhance efficiency and profitability. Her current research initiatives include analysis of triggers of technology adoption in aquaculture industries, economics of alternative aquaculture production systems, and measurement of the economic effects of increased regulatory burden and constraints on U.S. aquaculture.



Debbie Hamrick joined North Carolina Farm Bureau in November 2004 as Director of Specialty Crops where she monitors a wide range of behind the scenes issues on behalf of specialty crops producers and provides analysis and interpretation of trends and policy. For the past five years Debbie has been an influential figure in North Carolina's booming local foods sector, serving on the statewide Local Sustainable Foods Advisory Council. She is a member of the NC Aquaculture Development Conference Board, the NC Catch Board and advises more than a dozen additional specialty crops organizations within North Carolina agriculture.



Anthony Marchetti joined Rappahannock River Oysters as the Director of Operations in 2008. As such, he oversees a company that averages 100,000 oysters in weekly sales with over 4 million sold annually. This has led the company to vertically integrate, resulting in the opening of 3 restaurants: Merroir in Topping, VA, Rappahannock Oyster Bar in Union Market in Washington, D.C., and Rappahannock Restaurant in Richmond, VA. Mr. Marchetti is also a U.S. Coast Guard licensed captain whose hobbies include fly-fishing, boating, and sailing.



Navigating Currents of Change

Friday, February 21, 2014 Conference

- 7:30am NCAA Producer's Breakfast and Annual Meeting (early registration)
Additional registration required: please call 252-633-1477 to RSVP for the Producer Breakfast
- 8:00 **Registration and Trade Show Opens**
- 9:00 **Welcome**
- 9:05 North Carolina Aquaculture Overview
Marc Turano, Pentair SE Regional Sales Manager
- 9:30 Decoupling Aquaponics and Urban Organics -
Dave Haider, Urban Organics
- 10:15 **Break/Visit Trade Show**
- 10:45 State Aquaculture Research Update
Jeff Hinshaw, NCSU and Wade Watanabe, UNC-W
- 11:30 **Break/Visit Trade Show**
- 12:00pm **Lunch**
Keynote: Riding changing currents: How aquaculture fits in emerging consumer markets
Debbie Hamrick, NC Farm Bureau
- 1:30 **Break/Visit Trade Show**
- 2:00 Practical Solutions to Improving Economic Success in Aquaculture
Carole Engle, University of Arkansas at Pine-Bluff
- 2:30 NPDES Permits - what are they and do you need one for your aquaculture operation
Keith Larick, Environmental Programs Specialist NCD&CS
- 3:00 Success Stories in Shellfish Aquaculture
Karen Hudson, Virginia Sea Grant
- 3:30 Rappahannock River Oyster Co.
Anthony Marchetti, Rappahannock River Oyster Co.
- 4:00 Presentations End
Aquaculture Industry and Tradeshow Mixer
- 6:00 Aqua-Food Fest Social and wrap-up of NCAA Silent Auction
- 6:30 **Aqua-Food Festival**

Saturday, February 22, 2014 Concurrent Workshops

I. Freshwater Aquaculture

- 9:00am Financing Pitfalls for New and Perspective Producers, *Carole Engle, University of Arkansas*
- 9:25 Permitting Aquaculture Facilities in NC, *Pete Anderson, NC Dept. of Agriculture & Consumer Services*
- 9:40 Getting Started In Aquaculture: Land and Water Requirements, *Steve Gabel, NC State University Cooperative Extension*
- 10:05 Break
- 10:30 Aquaculture in North Carolina: Species Selection and Production, *Mike Frinsko, NC State University Cooperative Extension*
- 11:00 Adjourn

II. Marine and Shellfish Aquaculture

- 9:00am President's Welcome, *Jay Styron, NC Shellfish Growers Association*
- 9:05 Update on the GIS- Aquaculture Siting Tool, *Troy Alphin, UNC-W*
- 9:30 Developing Improved Lines of NC Oysters, *Dr. Ami Wilbur, UNC-W Shellfish Research Hatchery*
- 10:00 **Break/Visit Trade Show**
- 10:15 NC Shellfish Growers Association Annual Meeting and Program
- 12:00pm Adjourn

Register online at:
www.ncaquaculture.org

Registration Form

Preferred Method of sending in a registration form: Register online at www.ncaquaculture.org
OTHERWISE, PLEASE PRINT CLEARLY OR TYPE ALL REQUESTED INFORMATION BELOW

Badge Information: (As you want your name badge to read. No titles, please.)

First name: _____ Last name: _____

Company or Institution: _____

Additional names registered: _____
(Please indicate type of registration with each additional name)

E-mail (Please include email): _____

Phone: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Planning to attend the Thursday self-drive tour? YES NO

Type of Registration	By Feb. 13, 2014	After Feb. 13 or Onsite
Full Registration <small>(includes AquaFood Fest)</small>	# _____ @ \$110	# _____ @ \$150
Conference Presentations Only	# _____ @ \$85	# _____ @ \$130
Student Registration <small>(includes AquaFood Fest)</small>	# _____ @ \$55	# _____ @ \$65
AquaFood Festival Only	# _____ @ \$40	# _____ @ \$50
Trade Show Booth <small>(includes one Full Conference Registration)</small>	# _____ @ \$300	# _____ @ \$300

Payment Method :

- Check # _____ VISA MasterCard American Express
(Make check payable to NC Aquaculture Development Conference.)

_____ Card # _____ Expiration Date (mm/yy) _____
_____ Name on Card _____ Authorized Signature _____

Billing Address if different from mailing address above: _____

Mail this registration form to (or fax to 919-515-6772):
NC State University, Campus Box 7625, Raleigh, NC 27695, Attn: Cathy Smith/Aquaculture Dev Conference

Please visit our website for information on the exciting pre-conference workshop on Feb. 19
Sponsored by Pentair Aquatic Eco-Systems.

Information

Tradeshow: Pete Anderson (252) 633-1477 pete.anderson@ncagr.gov
Conference: Cathy Smith (919) 515-6780 cathy_smith@ncsu.edu

Accommodations

Reserve your room by January 20, 2014
Doubletree by Hilton New Bern - Riverfront
100 Middle Street
New Bern, NC 28560
252-638-3585

Lodging Information:

www.ncaquaculture.org/lodging.html

Conference Rates*

\$99 Standard, single or double occupancy

**Rates do not include sales or occupancy taxes, currently 12.75%.*

For rate guarantee reservations must be made by January 20, 2014 to obtain the Group Rate. After Jan. 20th, the Hotel will accept reservations based on a space- and rate- available basis. The Hotel has a 72 hour cancellation policy to avoid charges.

Call for your reservations:
252-638-3585.

Please make sure to mention the Group Name: **NC Aquaculture Development Conference** when reserving your room.

To Register

Register and pay online at www.ncaquaculture.org

Or return this registration form with payment to:

NC Aquaculture Development Conference
Attn: Cathy Smith
Campus Box 7625
NC State University
Raleigh, NC 27695

Registration forms can also be faxed to (919) 515-6772.

Cancellation Policy: Refund requests received by February 13, 2014 receive a 75% refund of the purchase price. Requests must be made in writing. All others will be considered depending on circumstances.

Please do not mail or fax registration forms after February 13, 2014. Online reservations can be made at www.ncaquaculture.org up until the day of the conference.



North Carolina Dept. of Agriculture & Consumer Services - Steve Troxler, Commissioner