



Forging New Frontiers

AQUACULTURE AMERICA 2017

INTERNATIONAL CONFERENCE AND EXPOSITION

FEBRUARY 19 - 22, 2017

SAN ANTONIO MARRIOTT RIVERCENTER
SAN ANTONIO, TEXAS

SPONSORED BY:



Associate Sponsors

- American Tilapia Association · American Veterinary Medical Association
- Aquacultural Engineering Society · Aquaculture Association of Canada
- Asian Fisheries Society · Catfish Farmers of America
- Global Aquaculture Alliance
- International Association of Aquaculture Economics and Management
- Latin American Chapter WAS · Striped Bass Growers Association
- US Marine Shrimp Farming Association · US Trout Farmers Association



In Cooperation with: Texas Aquaculture Association



AQUACULTURE AMERICA 2017 RETURNS TO SAN ANTONIO

AQUACULTURE AMERICA 2017 returns to one of the favorite tourist spots in the world for the only major national aquaculture conference and exposition held in the U.S. The U.S. Aquaculture Society (formerly U.S. Chapter of WAS) joins with National Aquaculture Association and the Aquaculture Suppliers Association to produce the annual Aquaculture America meetings. These sponsors are joined by the annual meetings of Aquacultural Engineering Society, American Tilapia Association, Striped Bass Growers Association, US Trout Farmers Association, US Shrimp Farming Association and many more associations to make Aquaculture America 2017 the one meeting in the U.S. that you don't want to miss!

A CRITICAL TRADE SHOW FOR AQUACULTURISTS!

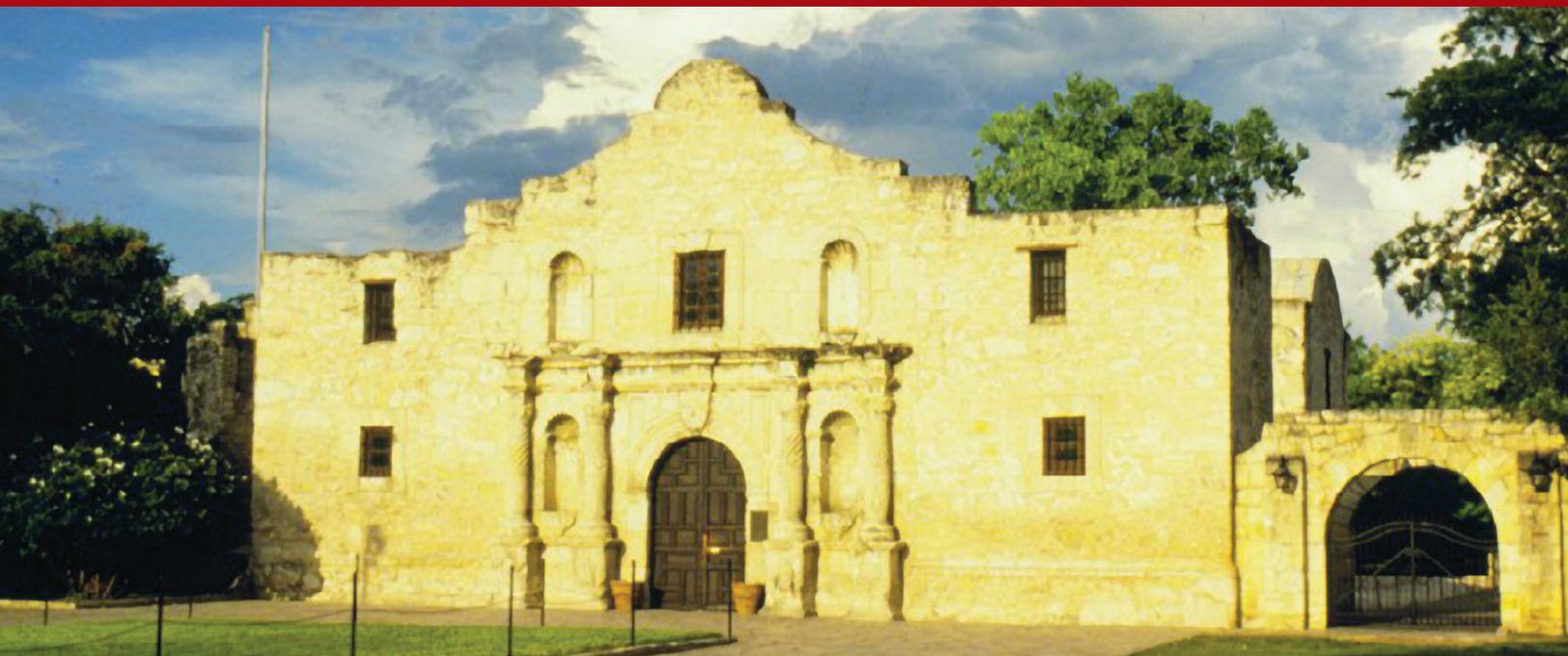
AQUACULTURE AMERICA 2017 will have the largest aquaculture trade show in the Western Hemisphere and one of the largest anywhere in the world with nearly 200 booths! This is your opportunity to inspect the latest in products and services for the aquaculture industry. It is the place to visit current suppliers and make new contacts. To keep ahead and to keep profits building, you need to keep pace with the technological advancements in the industry - and AQUACULTURE AMERICA 2017 is the place to do it!

Stay in touch with the program developments for AQUACULTURE 2017 through our Web Page at:

www.was.org

SAN ANTONIO- RIVERWALK, ENTERTAINMENT, EATING AND HISTORY!

AQUACULTURE AMERICA 2017 is the place to learn about the latest in aquaculture, see the newest technology in the trade show and have a great time in the many fantastic restaurants, bars and entertainment sites in San Antonio.



PLENARY SPEAKERS

DR. AOIFE LYONS

DIRECTOR OF EDUCATIONAL INITIATIVES AND ENGAGEMENT

[LinkedIn.com/in/draoifelyons](https://www.linkedin.com/in/draoifelyons)



Dr. Aoife Lyons received her doctorate in clinical psychology from DePaul University in 2001. She successfully ran her own private practice clinic in Chicago for over 10 years treating children from toddlerhood through university. Her speciality is in managing life transitions whether through the school years, entry into university or into the workforce. Dr. Lyons takes a developmental approach to her work, treating every child and family individually and taking into consideration the multifaceted nature of our children's development and behavior.

In 2012, Dr. Lyons returned to Ireland and is currently Director of Educational Engagement for Alltech. She also works in consultation regarding hiring practices, team building, multicultural communication and intergenerational communication. Dr. Lyons utilizes her specialized knowledge of human behavior and psychology to inform business practices.

Dr. Lyons is an adjunct professor at University College Dublin, Dublin City University and Trinity College Dublin. Her academic qualifications include a bachelor's degree in biology and psychology from the University of Notre Dame, a master's degree in women's studies from University College Dublin, a master's degree and Ph.D. from DePaul University and a postdoctoral fellowship at Northwestern University.

DR. SALLY ROCKEY

EXECUTIVE DIRECTOR



Dr. Sally Rockey became the inaugural Executive Director of the Foundation for Food and Agriculture (FFAR) in September 2015. Prior to this role, Dr. Rockey was an award-winning leader in Federal research, overseeing the operations of the extramural programs in both agriculture and biomedicine. She spent 19 years with the U.S. Department of Agriculture (USDA) where she held a number of positions within the Cooperative State Research, Education, and Extension Service. Very early in her career she became the head of the competitive grants program, overseeing the extramural grants process and portfolio. In her final years with USDA she was the Chief Information Officer, applying her breadth of government knowledge to information technology. She brought her experience in agriculture research to her 11-year career at the National Institutes of Health, where she emphasized the connection between agriculture, food, and health. As Deputy Director for Extramural Research, Dr. Rockey oversaw the operations of the largest Federal extramural research program and led groundbreaking initiatives and activities that have and will have a lasting positive impact on the research community.

Dr. Rockey received her Ph.D. in Entomology from the Ohio State University and did postgraduate work at University of Wisconsin prior to joining the government. She has devoted her career to improving people's lives through research and will continue her mission by seeing FFAR become an essential component of the scientific enterprise.

Connect with Dr. Rockey | Twitter: @Rocktalking | Blog: foundationfar.org/blog/

JONATHAN VAN SENTEN

HOW TO MIX WATER AND ELECTRICITY: MUSINGS BY A MILLENNIAL



Jonathan van Senten is a post-doctoral researcher in the Seafood AREC at Virginia Polytechnic Institute and State University, and a recent graduate of the University of Arkansas at Pine Bluff. He continues to work in the realm of regulations and their economic impact on various sectors of the U.S. aquaculture industry; further expanding on the work started during his doctoral dissertation. Jonathan has previously served as the Assistant USAS Student Liaison for the 2015 meeting, and the Student Liaison for the 2016 triennial meeting in Las Vegas. Having been born and raised in the Netherlands Antilles, Jonathan has always taken an interest in aquatic life, and seafood. What started as a childhood fascination, eventually led him to pursue a degree in Marine Biology, followed by a graduate degree in Marine Affairs and Policy. After a brief internship with the FAO Fisheries and Aquaculture office in Rome, Jonathan became acutely aware of the need for aquaculture development and the important role aquaculture can play as a driver of economic growth, sustainable community development, and contributor to global food security. In this vein, Jonathan hopes to contribute to the continued development of aquaculture; starting with a better understanding of how policy and regulations affect aquaculture businesses at the farm level.

TENTATIVE SCHEDULE

SESSIONS AT A GLANCE (Tentative)

Monday, February 20

Fish Nutrition/Alternative Protein Sources	1:00 - 2:45
Aquaculture Systems	1:00 - 3:00
Engineering	1:00 - 3:00
Urban Aquaculture	1:00 - 3:00
Federal Town Hall	1:00 - 3:00
Biofloc/Intensive Systems	1:00 - 4:30
CAHPS	1:00 - 4:30
Catfish/Hybrids	1:00 - 4:30
Fish Genetics/Genomics	1:00 - 4:30
Water Quality	1:00 - 4:30
Zebrafish	1:00 - 4:30
Getting Published	1:00 - 4:30
Aquaculture in a Changing Environment	3:00 - 4:30
Promoting Seafood Consumption	3:00 - 4:30
Fish Nutrition: Nutrient Requirements	3:00 - 4:30

Tuesday, February 21

Shellfish and Land Use Conflicts	8:30 - 10:00
Fisheries	8:30 - 11:00
Lacey Act and Injurious Wildlife Listings	8:30 - 11:00
Ornamentals	8:30 - 12:30
Aquaculture 101	8:30 - 2:30
Fish Nutrition/Soy Products	8:30 - 12:30
Restoration/Stock Enhancement	8:30 - 2:30
Aquaponics	8:30 - 5:00
Aquatic Veterinary Medicine	8:30 - 5:00
Fish Health/Disease	8:30 - 5:00
Zebrafish - continued	8:30 - 5:00
Mollusk Aquaculture	10:30 - 12:30
Women in Aquaculture (WIA)	11:00 - 2:30
Economics/Marketing	1:00 - 5:00
Live Feeds	1:30 - 3:30
Microalgae	1:30 - 5:00
Licensing and Permitting of Offshore Aquaculture	1:30 - 5:00
Fish Nutrition/Dietary Supplements and Feed Additives	1:30 - 5:00
Striped Bass Growers Association Industry Forum	2:30 - 5:00
Forging a Future for Competitive Research Funding	2:30 - 5:00
Fish Reproduction	3:30 - 5:00
Fish Nutrition/Probiotics	3:30 - 5:00

Wednesday, February 22

Larval Culture	8:30 - 10:00
Tilapia	8:30 - 10:00
Farming Marine Seaweed	8:30 - 12:30
Bead Filter Technology	8:30 - 2:30
Aquaculture to Restore Coastal Ecosystems	8:30 - 2:30
Aquaculture Product Labeling: Legal and Policy Issues	8:30 - 2:30
Fish Nutrition/Feeds and Feeding	8:30 - 2:30
Extension/Outreach	8:30 - 5:00
Marine Aquaculture	8:30 - 5:00
Shrimp/Crustacean	8:30 - 5:00
Aquatic Veterinary Medicine - continued	8:30 - 5:00
Americas Tilapia Alliance	10:30 - 12:30
Aquaculture without Frontiers	11:00 - 12:30
Macroalgae	1:30 - 5:00
Walleye	1:30 - 5:00
Roundtable of Associations: Forging New Frontiers	1:30 - 5:00
Fish Physiology	2:30 - 5:00
Organic Aquaculture Workshop: New USDA Proposed Standards	2:30 - 5:00
US Trout Farmers Association Producer Forum	2:30 - 5:00
Fish Nutrition/Lipids	3:30 - 5:00

Day/Time	Room 17	Salon D	Salon C	Room 13	Room 1	Salon A	Room 12	Room 11	Salon B	Room 5	Room 7	Day/Time
Mon Feb 20 8:30 - 10:30	Opening & Forum	at San Antonio Convention Center									Opening & Forum	Mon Feb 20 8:30 - 10:30
10:30 - 11:30	Coffee Break										Coffee Break	10:30 - 11:30
11:30 - 1:00	Lunch										Lunch	11:30 - 1:00
1:00 - 3:00	Federal Town Hall	Alternative Protein Sources	Water Quality	Aquaculture Systems	Zebrafish Workshop	Catfish/Hybrids	Getting Published	Finfish Genetics Genomics	Biofloc Intensive Systems	Engineering 2:45	Urban Aquaculture	1:00 - 3:00
3:00 - 5:00	CAHPS	3:30 Nutrient Requirements		3:15 Promoting Seafood Consp						3:00 Changing Environment	General Contributed	5:00 - 6:00
5:00 - 6:00	Posters & Happy Hour									Posters & Happy Hour	Posters & Happy Hour	5:00 - 6:00
6:30 - 9:00	Presidents' Reception									Presidents' Reception	Presidents' Reception	6:30 - 9:00
Tue Feb 21 8:30 - 10:00	Aquaponics	Soy Products	Fish Health/Disease	Aquaculture 101	Zebrafish Workshop continued	Lacey Act	Fisheries	Ornamentals	Aquatic Veterinary Medicine	Shellfish Land Use Mollusk Aquaculture	Restoration Stock Enhancement	Tue Feb 21 8:30 - 10:00
10:30 - 12:30						Women in Aqua	11:30 Economics & Marketing	Live Finfish Reproduction			2:30 Competitive Research Funding	10:30 - 12:30
1:30 - 5:00		Dietary Supple Feed Additives 3:45 Probiotics		Licensing/Permitting Offshore Aquaculture		Striped Bass Growers				Microalgae		1:30 - 5:00
5:00 - 6:00	Posters & Happy Hour									Posters & Happy Hour	Posters & Happy Hour	5:00 - 6:00
6:00 - 8:00	NAA Auction									NAA Auction	NAA Auction	6:00 - 8:00
Wed Feb 22 8:30 - 10:00	Extension Outreach	Feeds & Feeding	Marine Aquaculture	Bead Filter Technology	Tilapia & Tilapia Alliance Update	Restore Coastal Ecosystems	Seafood Labeling	Larval Culture AWF	Aquatic Veterinary Medicine	Farming Marine Seaweed	Shrimp Crustacean	Wed Feb 22 8:30 - 10:00
11:00 - 12:30				2:15 Fish Physiology		U.S. Trout Farmers	2:30 Organic Aquaculture	Roundtable of Associations		Macroalgae		11:00 - 12:30
1:30 - 3:30		Lipids										1:30 - 3:00
3:30 - 5:00												3:30 - 5:00
5:00 - 6:00	Closing Happy Hour									Closing Happy Hour	Closing Happy Hour	5:00 - 6:00



ATTENDEE REGISTRATION FORM

AQUACULTURE AMERICA 2017

February 19-22, 2017 – San Antonio, Texas

Return address for payments in USD:
AQUACULTURE AMERICA 2017
 Conference Manager
 P.O. Box 2302
 Valley Center, CA 92082 USA
 Tel: +1 760 751 5005
 Fax: +1 760 751 5003
 Email: worldaqua@aol.com

Online registration is preferred at www.was.org OR fax or mail both sides with payment. Use one form per person.

PLEASE PRINT CLEARLY OR TYPE ALL REQUESTED INFORMATION

BADGE INFORMATION: (As you want your name badge to read – No titles, please)

First Name _____ SURNAME (FAMILY NAME) _____

Company or Institution _____
 (Limited to 40 Letters & Spaces)

City _____ State/Prov _____ Country _____

MAILING INFORMATION: Email _____

Postal Address _____
 (please include email address)

City _____ State / Prov _____ Postal Code _____ Country _____

Phone _____ Fax _____ Title: (circle one) Dr. Mr. Ms. Mrs.
 (Include country and city code) (Include country and city code)

REGISTRATION FEES: In order to receive the discount rates as listed below, this form and payment must be received by the date listed. See brochure for what is included in registration fees.

TYPE OF REGISTRATION	Register by January 20, 2017	Register by February 8, 2017	Register after February 8, 2017	* To qualify for Member Rate you <u>must</u> complete the Association Memberships section on the reverse side. ●●●●●●●●●● Trade Show is <u>included</u> in the Full Conference Registration Rate. TOTAL REGISTRATION FEE US\$ _____
FULL CONFERENCE & TRADE SHOW In order to receive the Pre-Registration discount rate, this form and payment must be received by the date above				
MEMBER RATE*	<input type="checkbox"/> US\$ 435	<input type="checkbox"/> US\$ 535	<input type="checkbox"/> US\$ 635	
STUDENT MEMBER RATE* Include copy of Student I.D.	<input type="checkbox"/> US\$ 225	<input type="checkbox"/> US\$ 225	<input type="checkbox"/> US\$ 290	
Non-Member Rate	<input type="checkbox"/> US\$ 540	<input type="checkbox"/> US\$ 640	<input type="checkbox"/> US\$ 740	
Student Non-Member Rate Include copy of Student I.D. <i>You can join WAS on the reverse side and use the Member Rate.</i>	<input type="checkbox"/> US\$ 295	<input type="checkbox"/> US\$ 295	<input type="checkbox"/> US\$ 365	
<input type="checkbox"/> Spouse Rate – must accompany a full registration Name _____	<input type="checkbox"/> US\$ 335	<input type="checkbox"/> US\$ 395	<input type="checkbox"/> US\$ 495	

TRADE SHOW PASS (Trade show pass is included with the Full Conference Registration)
 Good for 3 days admission to exhibits only – February 20, 21, 22 US\$ 50 **TOTAL TRADE SHOW PASS** US\$ _____

INDUSTRY TOURS – Feb. 18 - Lean Aquaculture Workshop US\$ 200 Tour 1 US\$ 95
 8 WORKSHOPS Lean Aquaculture Workshop - USAS Members US\$ 100 A.E. Wood Fish Hatchery & San Marcos
 Lean Aquaculture Workshop - USAS Student Members US\$ 50 Aquatic Resource Center
 Feb. 19 - Water Quality Workshop US\$ 200
 Water Quality Workshop - USAS Members US\$ 100
 Water Quality Workshop - USAS Student Members US\$ 50 **TOTAL INDUSTRY TOURS** US\$ _____

MEMBERSHIP DUES – Enter amount from Membership Application on other side if applicable. **TOTAL MEMBERSHIP DUES** US\$ _____

Do not mail registration after Feb. 10, 2017 or fax after Feb. 15.
 After Feb 15, bring this form with you to register at the show.

➔ TOTAL AMOUNT US\$ _____

Registration Confirmation and Receipt will be emailed after processing.

CANCELLATION POLICY: Cancellation of registration must be received - in writing - no later than January 27, 2017. Refunds for registration fees will be subject to a 20% handling fee. Refunds are processed after the conference. No refund will be made for cancellations received after January 27, 2017 or for "no shows". After January 27, 2017, no refunds will be made for professional or personal emergencies, flight cancellations, denied visa, weather related cancellation or other travel emergencies. Fees for memberships are non-refundable.

PAYMENT METHOD: All fees must be paid to the order of **AQUACULTURE AMERICA 2017**. For bank transfer details, contact us.

Check # _____ Visa Mastercard American Express Discover Diners Club
 Card # _____ Sec Code _____ Expiration Date _____
 Name on Card _____ Date _____ Signature _____
 Credit Card Billing Address _____

INDUSTRY TOURS & EXTRAS

Lean Aquaculture Workshop

Feb. 18, 2017 8:30 - 4:30

Get tools and techniques you need to be more efficient and get results. Participants will explore tools to improve efficiency using guided team exercises and interactive simulations.

Water Quality Workshop

Feb. 19, 2017 8:30 - 4:30

Water quality management is key for efficient and profitable aquaculture. Participants will learn about water chemistry and the basics of recirculation aquaculture systems.

Tour #1

Feb. 23, 2017 9:00am - 4:00pm \$95

Visit the 2 locations below in one tour, lunch included.

San Marcos Aquatic Resource Center

See details at:

https://www.fws.gov/southwest/fisheries/documents/station_fact_sheets/2015_SMARC_Fact_Sheet.pdf

and

A. E. Wood Fish Hatchery

See details at:

<http://tpwd.texas.gov/fishboat/fish/management/hatcheries/aewood.phtml>



TRAVEL

Special car rental fares also have been arranged with AVIS. You can make reservations at 800-331-1600 or +1-918-624-4338 and mention the special discount code# J770126.

HOTELS

We have arranged a block of rooms with very special rates at San Antonio Marriott Rivercenter.

Booking Website:

<https://resweb.passkey.com/go/WAS17>

Telephone: +1 800 364 8064

Contact the hotel directly:

Tel: +1 210 223-1000

Fax: +1-210-223-6239

YOUR FULL CONFERENCE REGISTRATION INCLUDES:

- ❖ Only pre-registered attendees are guaranteed materials
- ❖ Admission to all sessions, seminars and the trade show.
- ❖ Admission to the President's Reception.
- ❖ Conference Bag and Show Directory.
- ❖ Refreshment Breaks and Cash Bar Happy Hour.
- ❖ Students receive the full registration package plus the Student Reception. To qualify for the student rate, a copy of your student I.D. is required.

FOR MORE INFORMATION: AQUACULTURE AMERICA 2017

Conference Manager

P.O. Box 2302 • Valley Center, CA 92082 USA

Tel: +1-760-751-5005 • Fax: +1-760-751-5003

TENTATIVE SCHEDULE

Sunday, February 19

Registration Open	11:00am - 5:30pm
Exhibitor Move-in	11:00am - 6:00pm
Poster Set-up	1:00pm - 5:30pm

Monday, February 20

Registration Open	7:30am - 5:00pm
Plenary Session	8:30am - 10:30am
Exhibitor Move-in	8:00am - 10:00am
Poster Set-up	8:00am - 10:00am
Refreshment Break	10:30am - 11:30am
Trade Show & Posters Open	10:00am - 6:00pm
Lunch (On your own)	11:30pm - 1:00pm
Sessions	1:00pm - 5:00pm
Poster & Happy Hour	5:00pm - 6:00pm
President's Reception	6:30pm - 9:30pm

Tuesday, February 21

Registration Open	8:00am - 5:00pm
Sessions	8:30am - 10:00pm
Refreshment Break	10:00am - 10:30am
Sessions	10:30pm - 12:30pm
Trade Show & Posters Open	10:00am - 6:00pm
Lunch (On your own)	12:30pm - 1:30pm
Sessions	1:30pm - 5:00pm
Poster & Happy Hour	5:00pm - 6:00pm
NAA Auction	6:00pm - 8:00pm
Student Reception	7:30pm - 9:30pm

Wednesday, February 22

Registration Open	8:00am - 3:00pm
Sessions	8:30am - 10:00am
Trade Show & Posters Open	10:00am - 3:30pm
Refreshment Break	10:00am - 11:00am
Sessions	11:00am - 12:30am
Lunch (On your own)	12:30pm - 1:30pm
Sessions	1:30pm - 3:00pm
Refreshment Break	3:00pm - 3:30pm
Exhibitor Move-out	3:30pm - 7:00pm
Sessions	3:30pm - 5:00pm
Closing Happy Hour	5:00pm - 6:00pm

