March 7 - 11, 2019
New Orleans Marriott
New Orleans, Louisiana

Aquaculture - The Big Easy Choice!
THE TRIENNIAL RETURNS TO NEW ORLEANS

AQUACULTURE 2019

Every three years, the Triennial is held somewhere in the United States. In 2019, the Triennial visits The Big Easy!

THE TRIENNIAL IS THE LARGEST AQUACULTURE MEETING IN THE WORLD!

The Triennial is the largest aquaculture conference and tradeshow held in the world with nearly 4000 attendees from over 90 countries and even more countries are expected to have attendees at AQUACULTURE 2019. The Triennial combines the annual meetings of the World Aquaculture Society, National Shellfisheries Association, Fish Culture Section of the American Fisheries Society, and the National Aquaculture Association. In addition to the annual meetings of the main sponsors, look what else is happening at AQUACULTURE 2019!

- Annual Meeting of the American Tilapia Association
- Annual Meeting of the Striped Bass Growers Association
- Annual Meeting of the U.S. Trout Farmers Association
- Special sessions organized by Aquacultural Engineering Society and International Association of Aquaculture Economics and Management
- Many other meetings of working groups, government agencies and related aquaculture activities
- Program with technical sessions and producers seminars covering virtually all species grown by aquaculture
- AND - look at all of the Associate Sponsors who are participating in the program development!

The last Triennial was held in 2016 in Las Vegas where it was pronounced a huge success by the nearly 3000 people who attended. Don’t miss this Triennial!

WAS CELEBRATES 50th ANNIVERSARY

Come celebrate the 50th anniversary of The World Aquaculture Society (WAS) at Aquaculture 2019. Since its establishment in 1969, WAS has grown to an organization with over 3000 members in 100 countries. Through its commitment to excellence in science, technology, education, and information exchange, WAS serves to advance the progressive and sustainable development of aquaculture throughout the world. As the society turns 50, members will gather together to celebrate Aquaculture and the accomplishments of the WAS. New Orleans is one of the greatest cities in the world for a party and the planned birthday celebrations are not to be missed.
JOIN US AT THE TRIENNIAL, AQUACULTURE 2019

AQUACULTURE 2019 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, and entertainment sites in New Orleans.

EXPANDED PRODUCER PROGRAM

The Triennial is known for the high quality of its Producer Program organized by National Aquaculture Association. AQUACULTURE 2019 will continue to expand the size and scope of the producer program to address all of the issues facing producers in the U.S. as well as around the world.

PRODUCER TOPICS

Aquatic Animal Drug Approval
Aquatic Animal Health and Welfare
Environmental Issues
Farm Energy Cost Reduction
Farm Planning and Management Tools: Design, Production and Farm/Firm
Federal Agency Town Hall Meeting
Feed, Feeding and Feed Ingredients
Marketing and Promotion
Offshore Aquaculture
Regulatory Costs
Remote Sensing: Farm and Environment
Science and Public Policy
Start Up Aquaculture
Women in Aquaculture

A CRITICAL TRADE SHOW FOR AQUACULTURISTS!

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 2019 is the place to do it!

TECHNICAL PROGRAM COVERS THE LATEST RESEARCH

The Triennial Sponsors will put together an extensive technical program featuring special sessions, contributed papers and workshops on all of the species and issues facing aquaculturists around the world. Sample topics will include:

- Shrimp
- Shrimp Nutrition
- Shrimp Health & Disease
- Shellfish Disease
- Finfish Disease
- Finfish Nutrition
- Shellfish Nutrition
- Marine Finfish
- Aquaculture Engineering
- Zebrafish
- Aquaponics
- Tuna
- Open Ocean Aquaculture
- IMTA / Integrated Aquaculture
- Biofouling
- Conservation / Restoration
- Aquaculture (fish and shellfish)
- Disaster Relief
- Sea Lice
- GMO Fish and Shellfish
- Consumer Perceptions of Farm-raised Seafood
- History of Aquaculture
- Mussels
- Scallops
- Oysters
- Clams
- Abalone
- Geoducks
- Pearl oysters
- Freshwater mussels
- Tadacna
- Shellfish genomics
- Post harvest shellfish treatment
- Sea Urchins
- Macrobrachium
- Crustaceans
- Tilapia
- Catfish
- Largemouth bass
- Sturgeon
- Gar, paddlefish and bowfin
- Percids
- Finfish genetics
- Pond fertilization and fish larviculture
- Ornamentals
- Mullet
- Fish Physiology
- Larval Finfish
- Eels
- Finfish Breeding, Genetics, Genomics
- Striped Bass & Hybrids
- Dermo
- Probiotics and feed additives
- Therapeutic drugs
- Vibrio
- Biosecurity
- Probiotics in aquaculture
- Nutraceuticals
- Biotechnology
- Stock Enhancement
- Broodstock propagation and management
- Fish transport
- Hatchery technology
- Recirculation technology
- Freshwater Pond Aquaculture
- Recreational and ornamental pond management
- Small scale aquaculture
- Urban aquaculture
- Artemia
- Harmful algal blooms
- Law and Policy
- Aquaculture Without Frontiers
- Aquaculture education (including minority institutions)
- Market driven aquaculture: developing and sustaining an industry
- Aquaculture Economics
- Ecology & Environment
- Policy & regulations
- Organic Aquaculture: Future Opportunities
- Certification
- Endangered species
- Frogs
- Water Quality & Effluents
- Extension/Technology Transfer
- Feeds
- Latin American and Caribbean Aquaculture
- Fish Oil
CALL FOR PAPERS – DEADLINE: August 31, 2018

AQUACULTURE 2019 encourages the submission of high quality oral and poster presentations. We strongly encourage authors to consider poster presentations because poster sessions will be an integral part of the program. Papers submitted for “oral presentation only” may not be accepted as oral presentations due to the limited number of available time slots. All abstracts must be in English – the official language of the conference.

Each oral presenter shall be entitled to no more than 12 minutes for a presentation, plus 3 minutes for questions. Authors of studies involving proprietary products or formulations should present this information in workshops or the trade show. Oral presentations should use Power Point. Slides, overhead projectors and video players will not be available or allowed.

All presenters are required to pay their own registration accommodation and travel expenses. AQUACULTURE 2019 cannot subsidize registration fees, travel or hotel costs.

No Abstract Book will be printed – a USB with Abstract Book will be given out and they will be available online.

INSTRUCTIONS FOR PREPARATION OF ABSTRACTS

Expanded Abstract Format - Please refer to the sample.

1. TITLE OF PAPER: The abstract title is printed in CAPITAL LETTERS, with the exception of scientific names which should be Upper/lower case and italicized (see example). Scientific names should not be preceded or followed by commas or parentheses or other markings.

2. AUTHOR(S): The first name should be the presenting author. Use * after the presenting author. Type in upper/lower case.

3. ADDRESS AND EMAIL: Type only the presenting author’s institution, address and email. Type in upper/lower case.

4. MAXIMUM LENGTH: One Page

5. PAGE SIZE: Standard 8.5 x 11 inch paper (portrait)

6. MARGINS: 1-inch margin throughout (left/right/top/bottom)

7. SPACING: Single spaced

8. PARAGRAPHS: Paragraphs should be separated by a blank line and should not be indented.

9. FONTS: Character fonts should be 12 point type.

10. FIGURES & TABLES: Figures and tables are highly recommended. They should be reduced to the appropriate size for a one page abstract and should be clearly readable at the reduced size. The reduced figures and tables should be included in the abstract in camera-ready form.

Please submit your abstract online via the internet at the meeting website. Follow the complete instructions on the website for online submission.

www.was.org

If you are unable to submit your abstract online, contact the Conference Manager for alternative methods at:

worldaqua@was.org or Fax: +1-760-751-5003
ATTENDEE REGISTRATION FORM
Aquaculture 2019
March 7-11, 2019 – New Orleans, Louisiana

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 ___________________________
City ___________________________ State/Prov ___________________________ Country ___________________________

MAILING INFORMATION: Email ___________________________
Postal Address ___________________________
City ___________________________ State / Prov ___________________________ Postal Code ___________________________ Country ___________________________
Phone ___________________________ Fax ___________________________
Title: (circle one) Dr. Mr. Ms. Mrs.

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

FULL CONFERENCE & TRADE SHOW

Register by January 21, 2019
Member Rate
Student Member Rate
Include copy of Student I.D.

Non-Member Rate
Student Non-Member Rate
Include copy of Student I.D.
You can join WAS on the reverse side and use the Member Rate.

Register by February 15, 2019

Register after February 15, 2019

* To qualify for Member Rate you must complete the Association Memberships section on the reverse side.

TRADE SHOW PASS

Good for 3 days admission to exhibits only – March 8, 9, 10

TRADE SHOW PASS (Trade show pass is included with the Full Conference Registration)

FARM TOUR - MISSISSIPPI MARINE AQUACULTURE

MEMBERSHIP DUES

Do not mail registration after Jan. 31, 2019 or fax after Feb. 20, 2019. 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 February 1, 2019. 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 February 1, 2019 or for “no shows”. After February 1, 2019, 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 2019.

Name on Card ___________________________ Date ___________________________ Signature ___________________________
For bank transfer details, contact us.
ASSOCIATION MEMBERSHIPS: Please check all boxes for associations for which you are a current member. Membership in any of those associations qualifies you for the Member Rate* on the Registration Fees. You can join an association at any time before registering to qualify for the Member Rate.

- Americas Tilapia Alliance
- American Veterinary Medical Association
- Aquacultural Engineering Society
- Aquaculture Association of Canada
- Aquaculture Association of South Africa
- Aquaculture Without Frontiers
- Asian Fisheries Society
- California Aquaculture Association
- China Society of Fisheries
- Egyptian Aquaculture Society
- European Aquaculture Society
- Fish Culture Section - AFS
- Global Aquaculture Alliance
- IAFI The International Association of Seafood Professionals
- Indonesian Aquaculture Society
- Korean Aquaculture Society
- Korean Society of Fisheries and Sciences (KOSFAS)
- Malaysian Fisheries Society
- National Aquaculture Association
- National Shellfisheries Association
- Sociedad Brasileira de Acuicultura
- Society of Aquaculture Professionals (India)
- South African Aquaculture Society
- Spanish Aquaculture Association (SEA)
- Striped Bass Growers Association
- US Trout Farmers Association
- World Aquaculture Society
- World Aquatic Veterinary Medical Association
- Zebrasfish Husbandry Association

MEMBERSHIP APPLICATIONS  ❑ NEW APPLICATION  ❑ RENEWAL

NATIONAL SHELLFISHERIES ASSOCIATION

For details on the different types of memberships and options please contact the NSA office at:

Web: www.shellfish.org

MEMBERSHIP CATEGORY: (Indicate only one)

- Regular (USD 95/yr)
- Student (USD 50/yr)
- Sustaining (USD 200/yr)

Includes subscription to the Journal of Shellfish Research

Signature of Professor or copy of Student ID required

Total Amount for NSA Membership USD

Please enter this amount under “Membership Dues” section on opposite side of this form.

FISH CULTURE SECTION OF AMERICAN FISHERIES SOCIETY

- FCS Membership for Current AFS members $5.00
- Affiliate FCS membership for non-AFS members $15.00

Join or pay your membership dues online at fishculture.fisheries.org

WORLD AQUACULTURE SOCIETY (WAS) APPLICATION www.was.org

For details on the different types of memberships and options, please contact the WAS home office at

Tel: +1-225-347-5408  Fax: +1-225-347-5408  Email: judya@was.org

MEMBERSHIP CATEGORY: (Indicate only one)

- Individual (Electronic JWAS) (USD 65/yr) Applies to an individual only
- Individual (Printed JWAS) (USD 110/yr) Applies to an individual only
- Individual (E Access) (USD 45/yr) Applies to an individual only
- Student (Electronic JWAS) (USD 45/yr) (Copy of Student ID or Signature of Professor required)
- Student (Printed JWAS) (USD 90/yr) (Copy of Student ID or Signature of Professor required)
- Sustaining (Electronic JWAS) (USD 105/yr) Applies to any one individual from a company
- Sustaining (Printed JWAS) (USD 150/yr) Applies to any one individual from a company
- Corporate (Electronic JWAS) (USD 255/yr) Allows all employees of one company to attend meeting at Member Rate
- Corporate (Printed JWAS) (USD 300/yr) Allows all employees of one company to attend meeting at Member Rate
- Lifetime (Electronic JWAS only) (USD 1000 with no chapter) Applies to an individual only
- Lifetime (Electronic JWAS only) (USD 1100 with one chapter) Applies to an individual only

CHAPTER OPTIONS: One chapter incuded in membership. Mark the chapter you choose.

- Asian Pacific
- Korea
- Latin American/Carribean
- United States (USAS)
- None (deduct USD 5)

You can add extra Chapters for USD 5

Total Amount for WAS Membership USD

Please enter this amount under “Membership Dues” section on opposite side of this form.

NATIONAL AQUACULTURE ASSOCIATION (NAA)

For details on the different types of memberships and options, please contact the NAA home office at:

Tel: +1-850-216-2400  Fax: +1-850-216-2480  Email: naa@thenaa.net  Web: www.thenaa.net

For membership in other associations, please contact them directly.

If you need a phone number, contact the Conference Manager (+1-760-751-5005).
MANY OPPORTUNITIES FOR FARM TOURS

FARM TOURS

The U.S. Aquaculture Society is offering 3 Continuing Education workshops at the upcoming Aquaculture 2019 meeting in New Orleans, LA. See links below for more information:

**Commercial Aquaponics Workshop**
Global demand for high quality proteins and vegetables has made aquaponics a viable option. With increased interest in these growing methods, it is difficult to find information and courses that are provided by proven commercial instructors. The U.S. Aquaculture Society, Auburn University and commercial producers have teamed up to host a full-day event.

**Best Aquaculture Practices (BAP) Workshop**
BAP standards are scientific, rigorous and always evolving and encompass the entire aquaculture production chain, including farms, processing plants, hatcheries and feed mills. The U.S. Aquaculture Society has teamed up with experts from GAA and BAP for a full day workshop of BAP principals and every key element of responsible aquaculture, including environmental responsibility, social responsibility, food safety, animal welfare, traceability, and more.

**Water Quality Workshop**
Regardless of the type of aquaculture system, good water quality is essential for efficient production. The U.S. Aquaculture Society has teamed up with Dr. Claude Boyd of Auburn University and Dr. Chris Good of The Conservation Fund’s Freshwater Institute to bring you a great workshop on the basics of water chemistry and the practical aspects of pond and RAS water quality.

Registration for the Commercial Aquaponics, BAP, or Water Quality workshops can be completed with registration for Aquaculture 2019 at www.was.org, or by contacting John Cooksey at admin@was.org.

**TRAVEL**

Special car rental fares have been arranged with AVIS. You can make reservations at 800-331-1600 or +1-918-624-4338 and mention the special discount code #1770126.

**HOTELS**

We have arranged for fantastic rates at the Marriott New Orleans Hotel. The meeting will be in the Marriott New Orleans Hotel. You can reserve your room by phone or on their website.

Check the conference website for details.

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Tour #1: MISSISSIPPI MARINE AQUACULTURE

**Date:** March 7  
**Time:** 8 am – 6 pm  
**Cost:** $135

This tour will depart the Marriott at 8 am and travel to Ocean Springs, MS to visit the University of Southern Mississippi’s Thad Cochran Marine Aquaculture Center. Founded in 2006, the Center aims to promote the development of technology for production of commercially and recreationally important marine organisms. Investigations focus on the production of species of economic importance in the Gulf of Mexico region in closed, recirculating systems. The Center is located on a 225-acre site and consists of approximately 100,000 ft² of culture and research space devoted to live feed, broodstock, hatchery, and nursery/growout systems. On-going projects focus on spotted seatrout, tripletail, oysters, blue crabs, Atlantic croaker, and red snapper as well as copepod production technology in joint projects with federal, state, and private organizations. The Center's research capabilities include state of the art laboratories conducting research in nutrition, genetics, disease, and reproductive physiology of aquaculture species.

**Lunch: Shed BBQ**
Following lunch, the tour will travel to the Mississippi Department of Marine Resources’ Lyman Aquaculture Center. The Center is located on 280 acres in Harrison County near Gulfport and features 14 lined half-acre ponds and 10 earthen ponds of various sizes. Historical activities focused on culturing freshwater gamefish species such as largemouth bass and centrarchids for stocking, but since 2008 projects involving public and private partnerships have aimed to develop pond-based aquaculture of estuarine and marine species including spotted seatrout, blue crab, Gulf striped bass, and red drum.

**Itinerary:**
8am – depart Marriott  
9:45 – 10am – arrive GCRL  
10-noon - tour  
Noon – 2 pm – Lunch  
2 pm – depart for Lyman  
2:45 – arrive Lyman  
2:45 – 4pm – tour Lyman  
4 pm – depart for New Orleans  
5:30 pm – arrive at Marriott

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OUR FULL CONFERENCE REGISTRATION INCLUDES:

- Admission to all conference sessions and the trade show
- Admission to the receptions
- Conference Bag, Abstract USB, and Show Directory
- Refreshment Breaks and 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.

Only pre-registered attendees are guaranteed materials.
## TENTATIVE SCHEDULE

### Thursday, March 7
- **Exhibit Set-up**: 10:00 – 6:00
- **Registration Open**: 12:00 – 6:00
- **Welcome Reception**: 6:00 – 8:00

### Friday, March 8
- **Registration Open**: 7:30 – 5:00
- **Opening Ceremonies & Plenary Session**: 8:30 – 10:00
- **Refreshment Break**: 10:00 – 11:00
- **Sessions**: 11:00 – 12:30
- **Trade Show Open**: 10:00 – 6:00
- **Lunch (on your own)**: 12:30 – 1:30
- **Sessions**: 1:30 – 5:00
- **Happy Hour & Posters**: 5:00 – 6:00
- **Student Reception & NSA Fundraiser**: 7:00 – 9:00

### Saturday, March 9
- **Registration Open**: 7:30 – 5:00
- **Sessions**: 8:30 – 10:00
- **Trade Show Open**: 10:00 – 6:00
- **Refreshment Break**: 10:00 – 10:30
- **Lunch (on your own)**: 10:30 – 12:30
- **Sessions**: 10:30 – 12:30
- **Lunch (on your own)**: 12:30 – 1:30
- **Sessions**: 1:30 – 5:00
- **Happy Hour & Posters**: 5:00 – 6:00
- **NAA Auction**: 6:00 – 8:00

### Sunday, March 10
- **Registration Open**: 7:30 – 5:00
- **Sessions**: 8:30 – 10:00
- **Trade Show Open**: 10:00 – 1:30
- **Refreshment Break**: 10:00 – 11:00
- **Lunch (on your own)**: 10:30 – 12:30
- **Sessions**: 10:30 – 12:30
- **Lunch (on your own)**: 12:30 – 1:30
- **Sessions**: 1:30 – 3:00
- **Refreshment Break**: 3:00 – 3:30
- **Sessions**: 3:30 – 5:30
- **Presidents Reception**: 6:30 – 8:30

### Monday, March 11
- **Registration Open**: 8:00 – 5:00
- **Sessions**: 8:30 – 10:00
- **Refreshment Break**: 10:00 – 10:30
- **Sessions**: 10:30 – 12:30
- **Lunch (on your own)**: 12:30 – 1:30
- **Sessions**: 1:30 – 3:00
- **Refreshment Break**: 3:00 – 3:30
- **Sessions**: 3:30 – 5:00
- **Closing Happy Hour**: 5:00 – 6:00

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**Trade Show Dates**
- March 8, 9, 10