NEXT GENERATION AQUACULTURE
INNOVATION AND SUSTAINABILITY WILL FEED THE WORLD

June 8-12, 2020
Singapore EXPO Convention & Exhibition Centre
and MAX Atria
The Annual International Conference & Exposition of
World Aquaculture Society

Hosted by
Singapore Food Agency

Conference Sponsors
Temasek Polytechnic, Nanyang Technological University
National University of Singapore, James Cook University
Republic Polytechnic
3rd International Symposium on Perch and Bass

WAS Premier Sponsors

WA2020 Partner

Associate Sponsors
Aquaculture Engineering Society
International Association of Aquaculture Economics & Management
WorldFish
WORLD AQUACULTURE VISITS SINGAPORE FOR THE FIRST TIME

WORLD AQUACULTURE 2020 will be held in Singapore with involvement from countries throughout the Asian-Pacific region and around the world. Aquaculture is rapidly growing in the Asian-Pacific region and increasingly being integrated into the Singapore food systems; therefore 2020 is the perfect time for the world aquaculture community to focus on Singapore.

A major international trade show at WORLD AQUACULTURE 2020 is the place to learn about the latest aquaculture technologies presented by exhibitors from around the world.

Stay in touch with the program developments for WORLD AQUACULTURE 2020 through our Web Page at: www.was.org

FANTASTIC TOURIST OPPORTUNITIES

Singapore is among the world’s top cities for tourism. A gateway to Asia and beyond, Singapore is a cosmopolitan city and a melting pot of different cultures. Singapore is home to a vibrant arts and entertainment scene, lively dining and drinking spots, various must-see attractions and the famed shopping district, Orchard Road. Singapore is also well known as a Garden City with world-class attractions and skyscrapers set amidst lush greenery. The 150-year-old Singapore Botanic Gardens – Singapore’s first UNESCO World Heritage Site - is located a mere five minutes away from the shopping district.

SPECIAL PRODUCER PROGRAM

World Aquaculture 2020 will have many special Producer Sessions to address Producer’s concerns from around the Asia-Pacific region.
Sessions and workshops at World Aquaculture 2020 will cover all aspects of aquaculture in the Asia-Pacific region as well as the rest of the world. Sample topics will include:

- Abalone
- Algae and macrophytes
- Amphibian and Reptile Aquaculture
- Animal health and Welfare
- Aquaponics and Integrated Aquaculture–Agriculture Systems
- Aquatic veterinary health capacity
- Arid land Aquaculture
- Barramundi, Seabass & Seabream
- Bio-floc Systems
- Biosecurity
- Biotechnology
- Breeding & Genetics
- Cage-culture
- Carpet shells
- Carps
- Catfish
- Certification and legislation
- Clams (including Giant Clams)
- Climate change, adaptation, resilience
- Cobia
- Coldwater Species - General
- Country Specific Sessions (eg 2008 Norway)
- Crabs & Lobsters
- Crawfish & freshwater Prawn Development, Welfare and Poverty Alleviation (Awf)
- Diseases
- Drugs and Chemotherapeutics
- Economics & Management
- Ecosystems approach
- Education, Extension, Technology Transfer & Workforce Development (AquEd)
- Eels
- Embryology
- Emerging Issues
- Emerging Species
- Enhancement, Stocking & Ranching
- Environment and Biodiversity and Climate Change
- Energy-alternative sources and conservation
- Engineering
- Financing and investment
- Finfish Broodstock Maturation
- Fish Health
- Fish Meal and Oil (IFFO)
- Flattish
- Food Safety, Inspections and Audits
- Food security
- Freshwater Species - General
- General Aquaculture
- Grouper & Snapper
- Hatchery & Larvae Management
- Hatchery and Nursery
- Immunology
- Information Technology in Aquaculture
- Innovation and High Techs
- Integrated Multi-trophic Aquaculture
- Investment in Aquaculture
- Korean Aquaculture Session
- Marketing & Trade
- Milkfish
- Mollusc Broodstock and Hatchery
- Mollusc Cultivation
- Mussels
- Nutrition & Feed
- Ocean acidification
- Octopus and Cuttlefish
- Offshore Aquaculture
- Omics tools for Aquaculture
- Organic Aquaculture
- Ornaments
- Other Marine Fish
- Oyster
- Pacific & Indigenous Aquaculture
- Pangasius, Clarias & Ictalurus
- Pearl and Queen Conch Culture
- 3rd International Symposium on Perch and Bass
- Physiology, Morphology & Histology
- Plankton Culture
- Policy & Regulations
- Polyculture
- Pond Culture
- Prebiotics and Probiotics
- Processing Technology
- Product Quality
- Production systems
- Raceway Systems
- Recirculating Systems
- Reservoir based and Lake Aquaculture
- Salmonids
- Scallops
- Sea cucumbers
- Sea urchins
- Seafood & Health (GILLS)
- Seaweeds and Algae
- Shrimp Farm Design and Management
- Shrimp Feeding and Nutrition
- Shrimp Genetics, Broodstock and Hatchery Management
- Shrimp pathology and biosecurity
- Snappers
- Socioeconomics
- Spatial Planning, Regulation and Zoning
- Standards & Certification
- Sturgeons
- Sustainable Development of Aquaculture
- Tilapia
- Trade
- Trouts
- Tuna
- Urban aquaculture
- Value Chain Development
- Warm water Species – General
- Wastage Utilisation
- Water Quality and Usage
- Women in Aquaculture
- Yellowtails, Amberjacks, etc
- Zebrasfish

YOUR FULL CONFERENCE REGISTRATION INCLUDES:

- Admission to all sessions, seminars and the trade show.
- Admission to the Receptions.
- Conference bag and Show Directory(except for spouse)
- 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.
- Only pre-registered attendees are guaranteed materials
CALL FOR PAPERS – DEADLINE: January 31, 2020

WORLD AQUACULTURE 2020 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 15 minutes for a presentation, plus 5 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. WORLD AQUACULTURE 2020 cannot subsidize registration fees, travel or hotel costs.

No Abstract Book will be printed – an Abstract Book 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

Submit your abstract 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
### PLEASE PRINT CLEARLY OR TYPE ALL REQUESTED INFORMATION

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

<table>
<thead>
<tr>
<th>First Name</th>
<th>SURNAME (FAMILY NAME)</th>
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<th>Fax</th>
<th>Title: (circle one)</th>
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<th>Mr.</th>
<th>Ms.</th>
<th>Mrs.</th>
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(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**

<table>
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<tr>
<th>FULL CONFERENCE &amp; TRADE SHOW</th>
<th>Register by April 26, 2020</th>
<th>Register by May 26, 2020</th>
<th>Register after May 26, 2020</th>
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<tr>
<td>WAS/CHAPTER MEMBER RATE*</td>
<td>US$ 495</td>
<td>US$ 595</td>
<td>US$ 695</td>
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<td>US$ 445</td>
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<td>Spouse Rate – must accompany a full registration</td>
<td>US$ 385</td>
<td>US$ 485</td>
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**TRADE SHOW PASS** (Trade show pass is included with the Full Conference Registration)

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<th>Good for 5 days admission to exhibits only – June 9, 10, 11</th>
<th>US$ 50</th>
<th>TOTAL TRADE SHOW PASS US$</th>
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**WORKSHOPS & TOURS** – TBA

**MEMBERSHIP DUES** – Enter amount from Membership Application on other side if applicable.

Do not mail registration after May 15, 2020 or fax after May 15.
After May 15, bring this form with you to register at the show.

TOTAL MEMBERSHIP DUES US$ __________________

**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 April 20, 2020. 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 April 20, 2020 or for “no shows”. After April 20, 2020, 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 WORLD AQUACULTURE 2020. For bank transfer details, contact us.

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<tr>
<th>Check #</th>
<th>Visa</th>
<th>Mastercard</th>
<th>American Express</th>
<th>Discover</th>
<th>Diners Club</th>
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Card # __________________________ Expiration Date ____________

Name on Card __________________________ Date _____________ Signature ______________________

Credit Card Billing Address __________________________
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.

MEMBERSHIPS: ❑ WAS ❑ USAS ❑ APC ❑ Korean ❑ LACC

AFFILIATE MEMBERSHIPS:
❑ African Chapter WAS
❑ Aquabio
❑ Aquaculture Association of Canada
❑ Aquaculture Association of South Africa
❑ Aquaculture Without Frontiers
❑ Asian Fisheries Society
❑ China Society of Fisheries
❑ Egyptian Aquaculture Society
❑ European Aquaculture Society
❑ 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
❑ Sociedad Brasileira de Acuicultura
❑ Society of Aquaculture Professionals (India)
❑ South African Aquaculture Society
❑ Spanish Aquaculture Association (SEA)

MEMBERSHIP APPLICATIONS  ❑ NEW APPLICATION  ❑ RENEWAL

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: +1-225-578-3137  Fax: +1-225-578-3493  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

CHAPTER OPTIONS:
One chapter included in membership. Mark the chapter you choose.
❑ Africa
❑ 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 __________________________

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

Some very special tours will be arranged. Details to be provided later – check our website for updates.

HOTELS

We have arranged a wide range of quality accommodations at special rates. Please check the website for hotel details.

<table>
<thead>
<tr>
<th>TRADE SHOW SCHEDULE</th>
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<tbody>
<tr>
<td><strong>JUNE 9</strong></td>
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<tr>
<td>10:00 - 18:00</td>
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<td>Monday, June 8</td>
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| Registration Open | Noon – 18:00  
| Exhibitor Move-in | Noon – 18:00  
| Poster Set-up | 13:00 – 17:30  
| Welcome drink | 17:00 – 19:00  

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<tr>
<th>Tuesday, June 9</th>
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</table>
| Registration Open | 7:30 – 17:00  
| Welcome and award | 09:00 – 09:15  
| Plenary Session (2x30 minutes) | 09:15 – 10:15  
| Opening ceremony | 10:15 – 10:45  
| Exhibitor Move-in | 08:00 – 10:00  
| Poster Set-up | 08:00 – 10:00  
| Official opening exhibition | 10:45 – 10:50  
| Refreshment Break | 10:45 – 11:15  
| Trade Show & Posters Open | 10:00 – 18:00  
| Sessions | 11:15 – 12:55  
| Lunch (On your own) | 12:55 – 14:00  
| Sessions | 14:00 – 15:40  
| Refreshment Break | 15:40 – 16:00  
| Sessions | 16:00 – 17:00  
| Happy Hour & Poster Session | 17:00 – 18:00  
| Student Reception | 19:00 – 21:00  

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<tr>
<th>Wednesday, June 10</th>
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| Registration Open | 7:30 – 17:00  
| Sessions | 09:00 – 10:40  
| Refreshment Break | 10:40 – 11:00  
| Trade Show & Posters Open | 10:00 – 18:00  
| Sessions | 11:00 – 12:40  
| Lunch (On your own) | 12:40 – 14:00  
| Sessions | 14:00 – 15:40  
| Refreshment Break | 15:40 – 16:00  
| Sessions | 16:00 – 17:00  
| Happy Hour & Poster Session | 17:00 – 18:00  
| WAS-APC Members meeting | 17:00 – 18:00  

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<tr>
<th>Thursday, June 11</th>
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| Registration Open | 7:30 – 17:00  
| Sessions | 09:00 – 10:40  
| Refreshment Break | 10:40 – 11:00  
| Trade Show & Posters Open | 10:00 – 16:00  
| Sessions | 11:00 – 12:40  
| Lunch (On your own) | 12:40 – 14:00  
| Sessions | 14:00 – 15:40  
| Refreshment Break | 15:40 – 16:00  
| Sessions | 16:00 – 17:40  
| Poster Out take down | 17:40 – 18:00  
| Exhibit Move-out | 16:00 – 19:00  
| President’s Reception | 18:00 – 21:30  

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<tr>
<th>Friday, June 12</th>
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| Registration Open | 7:30 – 17:00  
| Sessions | 09:00 – 10:40  
| Refreshment Break | 10:40 – 11:00  
| Posters Open | 10:00 – 16:30  
| Sessions | 11:00 – 12:40  
| Lunch (On your own) | 12:40 – 14:00  
| Sessions | 14:00 – 15:40  
| Refreshment Break | 15:40 – 16:00  
| Sessions | 16:00 – 17:40  