



Aquacultural Engineering Society Newsletter

Volume 19, Issue 1 January 2020

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all the latest
AES news!



Happy New Year!

As we move into 2020, AES is very pleased to announce several new improvements to member services. With a new website, RAS certification, social media, and plenty of upcoming events, we are looking forward to an excellent 2020 by better serving all of our members!

President's Letter from Astrid Buran-Holan

Dear AES members and sponsors,



Aquacultural Engineering Society (AES) is an organization that works to promote growth of aquaculture world-wide by building a strong aquacultural engineering community with the aim to make aquaculture a sustainable food production industry for a constantly growing population.

To be an even better society for our members, we have now created forums (AES Groups) enabling people to take contact with a specialist, and in the beginning of this year we will start with live webinars where it is also possible to ask questions to the presenter. The webpage has been updated, and we try to be even more active and visible on Facebook, Twitter and LinkedIn.

Furthermore, we are glad to inform that AES is sponsoring a certificate program (course) in RAS Design and Operation in collaboration with Cornell University. Many of these functions are however for AES members only, hence if you are not a member already, I hope to see you as a member very soon. Read more on the webpage of AES; www.aesweb.org.

My current position is in the company ScaleAQ, Norway, which is a world leading provider of technology and infrastructure for land and sea-based aquaculture, with more than 900 employees across the world. We create growth by producing and delivering digital technology, engineering, infrastructure and services in a dependable, sustainable and innovative way. By being present in almost all parts of the world, we notice that there is a growing interest and increasing demand for technology and engineering that promotes sustainable and optimal fish farming, good animal health, digitalisation and autonomous systems. In AES take these demands very seriously as they are the essence of future sustainable fish farming.

AES want to support the growing aquaculture industry by offering webinars, courses and forums for discussion for our members. To remind you the objectives of the AES are:

- to promote the science and art of aquaculture engineering
- to promote the transfer of technology and encourage independent research
- to develop standards associated with the practice of aquaculture engineering
- to promote the development, education, and career advancement of a diverse community of aquaculture engineers (newly amended)

Join our society and be a part of our aquaculture world, an industry that we love so much. With this I am wishing you all a fruitful new year.



News

Aquaponics Survey Invitation

The School of Fisheries, Aquaculture, and Aquatic Sciences invites you to participate in a survey study to generate a 'snapshot' of the status of the aquaponics industry. This survey is designed for hobbyists, educators, and for-profit aquaponic producers. We recognize and appreciate your commitment to improving and advancing aquaponics.

This survey is intended for those age 18 and older, and the questions should take about 20 minutes to complete. Your responses will be kept confidential and any data collected will be presented in aggregate form to ensure anonymity. If you have any questions or wish to provide additional feedback, please do so in the comments section at the end of this survey.

The information you share with us will be used to develop targeted research, teaching, and extension efforts to support the needs of the aquaponics industry. We invite you to share this survey broadly to aquaponic practitioners of any scale and interest level.

The survey can be accessed at: https://auburn.qualtrics.com/jfe/form/SV_0riUVSI68QHL40d
Don't miss this opportunity to let your voice be heard! Thank you for your participation. We look forward to hearing from you!

Sincerely,
D. Allen Pattillo, M.S.
Ph.D. Student - Aquaponic Economics - Auburn University
Dap0005@auburn.edu

Did you know....?

Cornell University has developed an online Certificate in RAS Design and Operation.

This certificate was developed by Dr. Michael Timmons from Cornell University.

This certificate is available to all and more information will be updated at www.aesweb.org/members/ras-design-and-operation-certificate-program

Dr. Timmons will be hosting a RAS short-course in March at Harbor Branch Institute in March 2020.
More details to be released.

Elsevier Aquacultural Engineering Journal

Elsevier publishes an Aquacultural Engineering Journal and we offer discounted subscriptions for AES members. Both printed and online journals are available.

If you'd like to learn more about subscribing to the Elsevier Aquacultural Engineering Journal, contact us today!

AES Member Spotlight

Do you have an innovative program?
Emerging technology? Sustainable practice?

Please send information, articles, etc. that you would like to share with AES members and supports to
tiffany@aesweb.org

THE AQUACULTURE ENGINEERING SOCIETY

EMAIL info@AES.org **WEBSITE** www.AES.org

To ensure receipt of our email, please add info@AES.org to your address book.



Membership Update

For 2019, we had 65 active AES members with nearly the same number of student members. For 2020, we are on track to have an even higher AES active membership body. With incentives for membership including reduced subscriptions to Elsevier, access to member's only sections of the AES website, exclusive information at aquaculture conferences around the world. For mor information about renewing membership or becoming a member for 2020, visit www.aesweb.org/member_registrations

The geographical distribution of the AES membership is:

Member geographical distribution	Percentage
USA	58%
Europe and UK	17%
Canada	15%
Other (Asia, S. America, Oceania)	10%

Financial Update

	Ending balance 12/31/18	Current balance 12/31/19
Checking	\$1,646.41	\$1,102.70
Savings	\$70,225.79	\$62,672.22

\$: US dollars

Current expenses include the salary of our new Executive Director, Tiffany Conner. The Executive Director is being tasked with enhancing the benefits of purpose of the society. We have also recently hired a web designer that remastered the AES website and provided more applicability for members. By increasing awareness and communications with AES.

Society Update

Motion 1: AES to sponsor two sessions during *RAS-tec 2020* in South Carolina.

Motion 2: AES to sponsor two sessions at *Aquaculture America 2020* in Honolulu, HI.

Motion 3: Implement Lifetime memberships for members who have joined for 20+ years.

All motions passed unanimously.

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Upcoming Events

AES Hosted Sessions at:

- **Aquaculture America 2020**
Dates: Feb. 9th-12th, 2020
Location: Honolulu, HI, USA
AES Sessions: TBA
- **RAS Tech**
Dates: Nov. 16th-17th, 2020
Location: South Carolina, USA
AES Sessions: TBA

Aquaculture Events Worldwide:

- **International Conference on Aquaculture**
Dates: Mar. 16th-17th, 2020
Location: Bangkok, Thailand
- **4th International Conference on Aquaculture & Marine Biology**
Dates: Mar. 23th-24th, 2020
Location: London, UK
- **13th Aquafeed Horizons International Conference for Aquafeed Professionals**
Date: Mar. 24th, 2020
Location: Bangkok, Thailand
- **Aquaculture Europe 2020**
Date: Sept. 29th– Oct. 2nd, 2020
Location: Cork, Ireland

AES Board and Members at Aquaculture Europe

Aquaculture Europe is an annual conference that is an extension of the worldwide conferences organized by the World Aquaculture Society. The location of Aquaculture Europe varies year-to-year; this year it was held in Berlin, Germany, October 7th-10th, 2019. The location and specific dates for Aquaculture Europe 2020 are to be announced.

Most recently, during the 2019 Aquaculture Europe conference, several of our board members and members were speakers at the conference. Pictured is Carlos Letelier Gordo, Astrid Buran Holan, and Paulo Mira Fernandez (left to right). Mark Schumann was another board member in attendance. While there were various topics addressed at this conference, our speakers specifically talked on the different aspects of RAS. AES will be hosting similar sessions at Aquaculture America and RAS Tech in 2020. Stay up-to-date on the specific topics through our social media and website.



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Our sponsors are an integral component to the society and we encourage you to reach out to them when you are seeking products or services.

Interested in becoming a sponsor?

Sponsorship of the AES includes:

- Listing your company as a sponsor in the AES News
- Posting your company as a sponsor on the AES webpage
- Annual membership and journal subscription

If you are interested in becoming a sponsor please visit www.aesweb.org/sponsors or contact tiffany@aesweb.org.

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2020 Membership Registration

AES 2020 MEMBER REGISTRATION (Please type or print clearly) Date _____

___ **New** or ___ **Renewal** ___ **Full** ___ **Student** or ___ **Sponsor**

Title _____ Name _____ Company _____

Street Address _____

City _____ State _____ Postal Code _____ Country _____

Phone _____ Fax _____

Email _____

- | | |
|--|-------|
| <input type="checkbox"/> 2020 Annual membership. Includes:
Access to Online Member Directory | \$30 |
| <input type="checkbox"/> 2020 Student membership. Includes the same as above. | Free |
| <input type="checkbox"/> 2020 Sponsor (membership, printed journal subscription, and advertising on website)(www.aesweb.org) | \$650 |

Options (additional cost to the \$30 annual membership dues):

- | | |
|--|------|
| <input type="checkbox"/> Lifetime Membership
For those who have been AES members for 20+ years | \$60 |
| <input type="checkbox"/> Printed subscription to Elsevier's journal <i>Aquacultural Engineering</i> | \$94 |
| <input type="checkbox"/> Standard one year subscription of the printed journal | |
| <input type="checkbox"/> Online subscription to Elsevier's journal <i>Aquacultural Engineering</i> | \$74 |
| <input type="checkbox"/> Web-based access through ScienceDirect (www.sciencedirect.com/science/journal/01448609) | |

Total _____

PAYMENT OPTIONS:

Check (Made payable to Aquacultural Engineering Society in US Funds)

Online: Go to www.aesweb.org

Charge: Visa MasterCard Discover

Credit Card #: _____

Expiration Date: _____ Security No. (3 to 4 digits) _____

Name on Card: _____ Signature: _____

Please send this form and payment to: Aquacultural Engineering Society, c/o Tiffany Conner,
P.O. Box 2974, Riverview, FL, 33568, USA, email: tiffany@aesweb.org