



# Inside ASABE

News for and about ASABE members

August 31, 2020

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## In This Issue:

- [From the Executive Director](#)
- [Biosystems Engineering Textbook Ready Soon](#)
- [Members Honored with Presidential Citations](#)
- [Students Earn Awards, Scholarships](#)
- [AIM 2020 - One for the \(Digital\) History Books](#)
- [New Product? Nominate Now for AE50 Awards](#)
- [Looking for Volunteer Opportunities? AIM 2021 Could Use Your Help!](#)
- [Journal Reviewer Recognition](#)
- [Upcoming ASABE Meetings and Conferences: The Rundown](#)
- [Committee Highlight: ES-238, Solid Biofuels](#)
- [Nominate Now for 2021 ASABE Major Awards](#)
- [Special Collections Call for Papers](#)
- [Did You Present at #ASABE2020? Enjoy a Discount for Publishing in Our Journals](#)
- [NABEC Honors Presented at Virtual Meeting](#)
- [Publications Web Pages Provide Valuable Information](#)
- [ORCID for Authors](#)
- [A Reminder to Committee Officers: Please Turn in Your Documents](#)
- [Recent Standards Activities](#)

## From the Executive Director



Few could have predicted that 2020 would become the year of virtual meetings, and this new format is forcing us all to think outside the box on how we structure meetings. These changes may forever alter the meeting landscape, and because virtual meetings lend themselves to being recorded, a meeting never needs to end. For example, below are links to some recent video content from our virtual AIM that we've just added to the ASABE website.

I'm thrilled with how the [virtual Fellows' ceremony video](#) by Sue Nokes, Candi Engler, and Maury Salz turned out. Take a few minutes to watch it, and join me in congratulating the 2020 Fellows. ASABE defines a Fellow as "a member of unusual professional distinction, with outstanding and extraordinary qualifications and experience in, or related to, the field of agricultural, food, or biological systems engineers." If you know of a deserving candidate, next year's entry deadline is April 15, 2021.

Sue Nokes also did an incredible job recording the first-ever [virtual awards program](#). In the video, she recognizes winners of major awards, presidential citations, educational aids blue ribbons, the top meeting papers, superior paper awards, and the major standards projects from the year. These awards reflect the tremendous accomplishments of our members since the 2019 AIM in Boston.

We're all looking forward to the day when we can meet in person once again. Until that day comes, the planning committee for the Agricultural Equipment Technology Conference (AETC) made a wise decision to host the February 2021 conference as a virtual event. Watch the [AETC webpage](#) for meeting details as they evolve.

ICYMI

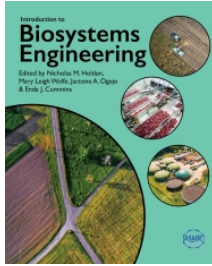
Where are the  
BLACK  
AG/BIO  
ENGINEERS?



An inspiring  
think piece  
in  
**Resource**  
magazine

[Back to top](#)

## Biosystems Engineering Textbook Ready Soon



We're excited to present the new *Biosystems Engineering* textbook.

This [open access text](#) is targeted at first- and second-year university-level students and will be available for download as individual chapters. You can review the [chapter topics covered](#) and [sign up](#) to be notified when the book is available.

You may also [propose a new chapter](#) or contribute to updates.

[Back to top](#)

## Members Honored with Presidential Citations

Our accomplishments are a direct result of individual and team efforts. Presidential citations were recently presented to the following members of extraordinary service, as an acknowledgment of our appreciation for their invaluable contributions to the Society.

### **Nick Holden, Mary Leigh Wolfe, Jactone Ogejo, and Enda Cummins**

For the persistent shepherding of the *Introduction to Biosystems Engineering* textbook from concept through publication.

### **Kati Migliaccio**

For her outstanding leadership on the Code of Conduct ad-hoc committee, writing policies to support an inclusive and equitable culture within ASABE.

### **Bruce Hawkins**

For his tenacious contributions in leading the new five-part ASABE S648 braking standards series to publication and for his willingness to share his expertise via ASABE-sponsored webinars.

### **Garey Fox**

For his exceptional leadership and engagement as the journals' new Editor in Chief by facilitating critical changes, better communication, and improved journal metrics.

### **Hannah Thomascall, Abby Schaefer, Aidan Morrow, Cameryn Taylor, Shubhanker Joshi, Sara Weyer**

For their energetic leadership as a student officer team, transforming the International Preprofessional Community to the International Student Branch with the goal of unifying ASABE student involvement globally.

### **Akindede Folarin Alonge**

For his work in increasing the engagement of Nigerian students and ag engineers in ASABE, helping found the African Network, being a longstanding supporter of the international community (INTL-601/602) and its transition to E-2050, serving as ASABE's CIGR representative, and promoting collaboration between ASABE, the Indian Society of Agricultural Engineers, and the Nigerian Institution of Agricultural Engineers.

[Back to top](#)

## Students Earn Awards, Scholarships

Congratulations to these teams and individuals for outstanding achievements in ASABE student competitions.

### **Boyd-Scott Graduate Research Award**

#### *PhD Category*

- 1st Place: Xinge Xi, University of Arkansas
- 2nd Place: Suzanne Leonard, Iowa State University
- 3rd Place: Afef Marzougui, Washington State University

#### *MS Category*

- 1st Place: Garrett Steinbeck, Ohio State University

### **K. K. Barnes Student Paper Award**



WELCOME  
New  
Members!

Welcome to our  
new, reinstated,  
and  
student-transfer  
members added  
to the  
ASABE family in  
the month of  
**JULY**

Click to see  
who's joined  
your  
professional  
network!

1st Place: Marali Kalra, Penn State University  
2nd Place: Sirapoom Peanusaha, University of Florida  
3rd Place: Alex DiCairano, University of Florida

#### **AGCO National Student Design Competition**

1st Place: University of Tennessee-Knoxville; Logan Ashworth  
2nd Place: University of Tennessee-Knoxville; McKensie Nelms and Mary Morris  
3rd Place: Texas A&M University; Ana Chen Reyes, Jacy Gray, and Madison Hodges

#### **Robotics Student Design Competition**

##### *Advanced Division*

Best Overall: Lucky Aniki, Zhejiang University  
Best Electronic Presentation: S.M.F., Zhejiang University  
Best Written Report: Gator Robotics, University of Florida

##### *Standard Division*

Best Overall: Pink Hooray, Zhejiang University  
Best Electronic Presentation: Stardust Crusaders, Zhejiang University  
Best Written Report: Henau-2, Henan Agricultural University

#### **G. B. Gunlogson Environmental Student Design Open Competition**

1st Place: University of Arkansas; Brynn Bodwell, Kanaan Hardaway, Kira Simonson, and Clare Yurchak  
2nd Place: North Carolina State University; Jonathan Lewis, Tyler Pallen, Charles Robertson, Kaylee Saaranen  
3rd Place: University of Tennessee-Knoxville; Emma Beach, Madison Oehler, Jenna Williams, and Olivia Yates

#### **Ag & Bio Ethics Essay Competition**

1st Place: Sydney Williford, Auburn University  
2nd Place: Vivek Patil, Auburn University  
3rd Place: Viet Le, Louisiana State University

#### **ASABE Ethics Video Challenge**

1st Place: "Diligent Doers," Grace Phung and Patrick Redman, Auburn University  
2nd Place: "Ethical Management of Hazardous Wastes," Katelyn Wolfe, Brynn Bartholomew, and Nolan Bennett, Auburn University

#### **ASABE Scholarships**

*William J. Adams, Jr., and Marijane E. Adams Scholarship*  
Cole Schlup, Iowa State University

*ASABE Foundation Engineering Scholarship*  
Kiara McDonald, Auburn University

*John C. Nye Graduate Fellowship*  
Ibukunoluwa Ajayi-Banji, North Dakota State University  
Lisbeth Vallecilla Yopez, University of Nebraska-Lincoln

#### **Student Honors Award**

Engineering Branches: Hannah Thomascall, Auburn University

[Back to top](#)

### **AIM 2020 - One for the (Digital) History Books**

The 2020 Annual International Meeting has come and gone and it wasn't what any of us expected it to be! Completely turning AIM around to a virtual event in just a few short months was quite a task, and staff extend much gratitude and appreciation for all of the work and effort that our volunteers and elected leadership put forth—and for the patience and tenacity of our membership. And a special thank you goes to our sponsors for making it all happen!

As a reminder, you can find the recordings of the major awards, student awards, the 2020 Class of ASABE Fellows, and presidential remarks throughout [asabe.org](http://asabe.org).

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[Back to top](#)

**New Product? Nominate Now for AE50 Awards**



Has your company produced new, innovative technology this year? Your product could be eligible for an AE50 product award! But act promptly--the nomination deadline is quickly approaching. Top-ranking award-winners are further eligible for the prestigious [Davidson Prize](#).

Please have your nominations in for the AE50 competition, September 25. Refer to the [AE50 nomination instructions](#) for complete nomination details.

[Back to top](#)

**Looking for Volunteer Opportunities? AIM 2021 Could Use Your Help!**

Are you interested in becoming more involved with the Society and specifically, more involved with AIM? We are currently accepting technical session proposals for the 2021 AIM, along with the need to find committed individuals to organize and moderate these sessions. Contact your [technical community program chair](#) for volunteer opportunities or to submit a session topic for consideration. The deadline is August 31 for all oral, guest speaker, rap, panel, special, and hybrid session submissions.

Watch for the call for abstracts to open in October. We are looking forward to an outstanding 2021 Annual International Meeting in Anaheim, Calif., July 11-14!

[Back to top](#)

**Journal Reviewer Recognition**

The journal peer-review process would not be possible without reviewers who volunteer their time. Their expertise and willingness to assist colleagues in enhancing their manuscripts is very much appreciated. The editors recognize and thank [these reviewers](#) for generously contributing their time and expertise to the ASABE journals. See the link for our Outstanding Reviewer awards, High-Performing Reviewers (new reviewer recognition category this year), and all reviewers in 2019.

[Back to top](#)

**Upcoming ASABE Meetings and Conferences: The Rundown**

Wondering what the [ASABE events calendar](#) looks like with all of the recent changes? Here is a quick summary:

2021 Agricultural Equipment Technology Conference  
February 8-10, 2021 – Virtual

Sustainable Energy for a Sustainable Future—An ASABE Global Initiative Conference  
May 17-20, 2021 – Costa Rica

2021 Annual International Meeting  
July 11-14, 2021 – Anaheim, California

6<sup>th</sup> Decennial National Irrigation Symposium  
December 6-10, 2021 – San Diego, California

Soil Erosion Research Symposium  
January 9-14, 2022 (tentative) – Aguadilla, Puerto Rico

The 2<sup>nd</sup> ASABE Global Evapotranspiration Symposium  
Postponed until further notice

[Back to top](#)

## Committee Highlight: ES-238, Solid Biofuels



*Did you know that when you log in to the ASABE website, you get exclusive access to a database of all ASABE committees, both technical and non-technical? The database also randomly spotlights one of those committees, providing a glimpse into its scope and activities.*

*As a member-driven organization, ASABE offers a two-way street of success: Your participation strengthens us so that we, in turn, can serve you better. Consider joining an ASABE committee, like the one highlighted below, or [log in](#) to the ASABE website to see the many other committee opportunities available to our members.*

### ES-238, Solid Biofuels/ISO Technical Committee 238

ES-238, Solid Biofuels, focuses on solid biofuels. Some might immediately think of such biofuels as firewood, but also included in this biofuel category are wood chips, pellets, and briquettes. The pellets and briquettes are usually made from woody material but non-woody material, such as agricultural residues, is also used.

The focus of ES-238 is to coordinate US input on ISO standards within ISO Technical Committee 238. Currently ISO/TC 238 maintains 42 published standards and has 15 standards under development, many of which cover sampling and laboratory testing. One of the main drivers for development of ISO standards is international trade. The most commonly traded solid biofuel is bulk wood pellets, with 9.5 million metric tons being exported from North America in 2019. Many of these exported fuels are used to produce power and heat in Europe, but Asian use is increasing as well. The work of ISO/TC 238 is coordinated internationally by Sweden, with participation by 26 voting and 20 observing countries. In the US, ASABE works closely with the Pellet Fuel Institute and the Biomass Thermal Energy Council, as well as the US Industrial Pellet Association, which has also been a financial supporter of this work.

If you are interested in learning more about ES-238 and its work, please contact [Walter Brace](#).

[Back to top](#)

## Nominate Now for 2021 ASABE Major Awards

The nominations deadline is quickly approaching! Please complete your submissions for all ASABE major awards by the deadline, October 31.

The [complete list](#) of major awards provides all the details you'll need for each award.

[Back to top](#)

## Special Collections Call for Papers

We invite you to review [all of our calls for papers](#), including the two newest ones:

- Streambank Erosion, Sediment Dynamics and Restoration: Monitoring, Modeling and Case Studies
- Preferential Flow and Piping (PFP) in Riparian Buffers

[Back to top](#)

## Did You Present at #ASABE2020? Enjoy a Discount for Publishing in Our Journals

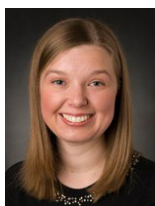
Convert your AIM paper to a peer-reviewed journal article and receive a publishing discount of \$100 or 10%, if over ten pages, when you submit it by October 1, 2020. Your annual meeting paper has a very similar format to our journals, making it easy to prepare for peer review.

To get started quickly, read the [journal submission overview](#).

[Back to top](#)

## NABEC Honors Presented at Virtual Meeting

The debate is still ongoing if NABEC actually happened this year. Because of COVID-19, NABEC made the switch to holding its annual conference on a virtual platform. An abbreviated program, consisting of graduate and undergraduate student presentations, a business meeting, and an awards presentation were highlights of the meeting. NABEC would like to congratulate its Honor Awards recipients.



NABEC's 2020 Young Engineer of the Year is Heather Preisendanz, an associate professor in the Department of Agricultural and Biological Engineering at the Pennsylvania State University. There she teaches two courses and has won three teaching awards. She has 26 refereed manuscripts published, two refereed conference proceeding papers, and two book chapters. Preisendanz has been a PI or co-PI on \$8 million worth of successful funding, and almost \$50,000 in support of undergraduate research projects. She is very active in ASABE and NABEC, including leadership roles and membership in several committees, and served as a reviewer/judge for student competitions.



NABEC's 2020 Distinguished Service to NABEC awardee is Palaniappa (PK) Krishnan. Krishnan has been a member of ASABE for over 40 years. He joined the agricultural engineering department at the University of Delaware in 1985. Over the years he was an advisor and mentor to many agricultural engineering technology students. He has a long history of working with students at the university and chairing student activities in NABEC from 1990 to 2011. In 1996 Krishnan became director of the university's Operations Research Graduate Program and served as director until 2007. As director he mentored numerous graduate students. In 1997 he received the University of Delaware Academic Advising Award for Excellence. Krishnan was chair of the ASABE Student Design committee and served on that committee from 1998 to 2011. He is an active attendee of NABEC meetings, having presented multiple papers. His students have won the student paper and design competition several years.

[Back to top](#)

## Publications Web Pages Provide Valuable Information

Visit our new Publications web pages, try a referencing utility, or easily share an article.

- [Most Highly Cited](#) articles
- [Special Collections Organizer](#) assistance if you wish to initiate a collection. Convert your AIM session into a special collection.
- [References Validator](#) find the DOI and validate your full references list
- [Share](#) a journal article with the new social media links on the abstract page



- [Call for papers](#) for special collections

[Back to top](#)

## ORCID for Authors

We encourage journal authors to obtain a unique [digital identifier](#) from ORCID. This ID can be entered into ScholarOne when you submit your manuscript to a journal. It will uniquely identify you and provide a better means of linking you to your work. This ID can also be used to login to ScholarOne.

See the [ScholarOne guide](#) for details.

[Back to top](#)

## A Reminder to Committee Officers: Please Turn in Your Documents

Here's another friendly reminder to committee officers to forward your updated *membership roster*, *meeting minutes*, and *committee description* to headquarters. The ASABE Membership Roster, with its valuable list of committees and their members and





officers, will be going to production in coming weeks, and you'll want to be sure your committee list is accurate. Minutes should be forwarded to Headquarters after every committee meeting, so they can be appropriately archived.

The request for [committee descriptions](#) is the result of a Board initiative designed to help ASABE—and your committee—boost engagement in Society activities. Your cooperation will help us help you in ensuring

robust participation.

Requests for some of these documents have been sent to committee officers. If you're unsure of the status of your committee's progress, reach out to [ASABE staff](#), who will be happy to assist.

[Back to top](#)

## Recent Standards Activities

### Proposed Projects

- X657, Measurement and Rating of Hermetic Storage Bags—Specifications of Gas Barrier Liners
- X270.6, Design of Ventilation Systems for Poultry and Livestock Shelters

### Press Releases

- August 7, 2020, ASABE to Develop Performance Standard for Hermetic Grain-Storage Bags

[Back to top](#)



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# Inside ASABE

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