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## December 2020

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**From the Executive Director**



Earlier this month, we held a very successful Giving Tuesday campaign, which raised money for the ASABE Foundation. We set a goal of \$10,000 in new contributions, and the Foundation agreed to match it. Well, I'm thrilled to report that \$30,637 was donated to 27 separate funds! The Foundation Board voted to increase the promised match, and that will essentially double the

impact of each donation.

The general fund received the most donations, a total of \$14,500. These monies will be used to help pay the bills and will be applied wherever the need is greatest. The [William J. Adams, Jr., & Marijane E. Adams Scholarship](#) fund for undergraduates received a fantastic \$8,237. This scholarship was created in 1992 by the generosity of Bill and Marijane. The Giving Back fund and the J. L. Butt fund each received about \$1,200. The [Giving Back fund](#) was created by Past President Sonia Maassel Jacobsen and provides financial support for projects that showcase the knowledge and skills of the agricultural and biological engineering profession through efforts that benefit underserved individuals or groups. The J. L. Butt fund was established in 1986, in recognition of Jimmy Butt's 30 years of service as executive vice-president. This fund has been used to attract high-caliber keynote speakers to the ASABE Annual International Meeting. The [International Food Engineering Award](#) fund received the next highest amount at \$670. This fund is currently in an endowment campaign, so every contribution makes a difference.

Thank you to all who took part in Giving Tuesday. Because of your support, the ASABE Foundation is in the strongest financial shape ever, with a total balance of just over \$5,000,000. That puts us in a great position for funding our existing programs as well as new Society initiatives.

Things are starting to look up as the old year ends. From all of us at ASABE headquarters, we wish you a healthy and prosperous 2021!

Darrin J. Drollinger  
Executive Director

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## 2021 Slate of Candidates Announced: Keith Tinsey Nominated for President



As nominee for president, Keith Tinsey leads the list of candidates on the ballot for the 2021 election of Society officers. The complete [list of candidates](#) for 2021 is available for preview on the ASABE website.

Members with a valid email address will be sent balloting instructions on January 5 from Intelliscan, followed by a second email on January 7, when balloting opens, that contains a personalized, secure link to the voting site. No need to login to the ASABE website.

Those without a valid email address will be contacted via regular mail with instructions for accessing the ballot.

Contact [Joann McQuone](#) (269/932-7022) with any questions you may have about the process. Balloting will close March 1, 2021.

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## Partners Add Momentum to "Circular Economies" Initiative



Momentum is building for an ASABE initiative to promote circular agricultural and environmental systems, with several peer organizations formally joining the effort and others signaling strong interest in collaboration.

The ASABE initiative, Circular Economies for Food and Agricultural Systems, will advance the transition of food and agricultural systems into circular systems by 2050, to meet the increasing demands of the growing global population while sustaining availability of natural resources and the health of ecosystems.

Formally joining the coalition are the Agronomy Society of America, the Crop Science Society of America, and the American Society for Soil Science—collectively known as the Tri-Societies—and the Agricultural & Applied Economics Association. Additional organizations, as well as federal agencies, have expressed interest in joining or otherwise supporting the initiative, including the National Academies of Science, Engineering, and Medicine (NASEM).

Crucial support for the concept was provided by NASEM's Board of Agricultural and Natural Resources, which last February approved an ASABE proposal to conduct a consensus study and make recommendations for pathways to make the transition. BANR is now seeking assistance within NASEM and with stakeholders to raise an estimated \$1.5 million to conduct the study.

ASABE has pledged support toward the study and encourages the collaboration of a broad complement of partners, to ensure that initiative benefits from strong, multidisciplinary input. "Creating a societies coalition to undertake these activities that promote convergent systems for developing knowledge and technology will be key to successfully transitioning to circular systems," says ASABE Executive Director Darrin Drollinger

[Read more](#) about the initiative.

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## Start 2021 Off Right by Renewing Your Society Membership

Please remember to renew your dues! You can renew [online](#) in just a matter of minutes.

Your ASABE membership provides the opportunity to:

- [Learn and advance](#) your working knowledge of ag, bio, and food systems engineering
- [Find your fit](#) among more than 200 member-led committees
- [Meet and network](#) with more than 6500 industry professionals
- [And help promote](#) the ag and bio engineering profession

For questions related to membership contact [Jasper Cunningham](#).

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### **The Call for Abstracts is OPEN!**

Submit your abstract now to the 2021 virtual AIM, July 11-14. A full directory of all sessions that are accepting abstracts is available [online](#), as is the link to the submission site with instructions and key deadlines for review. The submission site will only be available until January 11. Answer the Call today!

### **Suggest a CPD**

Have an idea for a Continuing Professional Development course that you'd like to see take place during AIM? Let us know by submitting your topic [here](#). CPD submissions are due by February 1, 2021.

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## **Giving Back Awards: Last Call for Applications**

ASABE members have servants' hearts and can often be found sharing their engineering expertise with vulnerable communities. If you are engaged in or considering a humanitarian engineering project that could benefit from financial support, the [Giving Back](#) fund can help.

The Giving Back fund exists to showcase the knowledge and skills of the agricultural and biological engineering profession through projects that benefit underserved individuals or groups. Past fund recipients include the Purdue PUP vehicle project, and a Village Harvest Center, in Laos. An ASABE Foundation fund, the Giving Back fund has money available annually to support one or more projects. [Submissions](#) are due to ASABE headquarters by December 31 of each year.

Contact [Dolores Landeck](#) for additional information.

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## **New Faces of ASABE - A Twist for 2021!**

#asaBE INSPIRED

## **NEW FACES OF ASABE One-Minute Video Challenge**



**ASABE members aim to do a world of good.  
To make a difference. To shape the future.**

**So what—or who—inspires you in your professional aspirations?**

**Top Prize \$2000  
Two Honorable Mention Winners, \$750 each**



[www.asabe.org/beinspired](http://www.asabe.org/beinspired)

Learn more at [www.asabe.org/beinspired](http://www.asabe.org/beinspired). Contact [Dolores Landeck](#) for additional information.

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## **Webinar: Spotlight on Production**



YPC invites you to join us for a webinar with Jay Schmuecker, spotlighting agricultural production. Schmuecker and his team have envisioned the future of agriculture and created a proof-of-concept for row-crop farming, in Blairstown, Iowa.

Join us via Zoom on Wednesday, February 24, at 5 pm EST to hear Schmuecker describe his design process, challenges, and lessons learned in creating a solar-powered hydrogen and ammonia production system—completely replacing fossil fuels in conventional agriculture.

Learn more about Schmuecker's [C-Free Renew, Solar Hydrogen System](#), and [register now](#) for the webinar.

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## Renew Your Print Journal Subscriptions for 2021

Technology is changing rapidly and ASABE journals can help you keep pace with important developments that affect your career.

*Applied Engineering in Agriculture* - <https://www.asabe.org/Applied>  
*Journal of Agricultural Safety and Health* – <https://www.asabe.org/Jash>  
*Transactions of the ASABE* - <https://www.asabe.org/Transactions>

For the 2021 prices, visit <https://www.asabe.org/OrderPeriodicals> or contact [Subscriptions@asabe.org](mailto:Subscriptions@asabe.org)

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Join us from the comfort of your own living room February 8-10, 2021, as we gather, virtually, for the 25<sup>th</sup> Agricultural Equipment Technology Conference.

Registration is now open, and we have a special gift for the first 100 registrants. Watch for details and program information at [asabe.org/AETC2021](https://asabe.org/AETC2021).

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## Students: Scholarship Entries Due March 15

All entries for the 2021 Nye Graduate Fellowship, the ASABE Foundation Scholarship, and the Adams Scholarship are due to headquarters on March 15th. Complete details on eligibility, application instructions, and more are available on the [ASABE website](#),

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## Get Involved at AIM with Short Videos

YPC is offering two great opportunities to engage with fellow attendees during the 2021 Annual International Meeting using short, informative videos. The videos will be posted during the annual meeting and utilized on our ASABE social media pages. Participate in one of two categories:

### *"Five-Minute Production Tour"*

Are you interested in showing us production agriculture? The 2021 AIM's virtual format is perfect for a "Five-Minute Production Tour." Show us your involvement in production agriculture by giving a virtual tour of a farm, crop, or livestock production operation, or of an innovative system utilized on the farm.

### *"My Research Journey"*

We want to hear about your research experiences! YPC invites graduate students to submit a short video for "My Research Journey." Topics that should be covered in your video:

- Brief introduction – about you, your university, your major
- What made you choose agricultural/biological engineering as your career?
- What are you currently working on as a part of your research and what are the expected outcomes? (Include a short lab tour, if possible)
- How are you planning to contribute to your field in the coming years?

### **Dos and Don'ts for Participating**

*Do. . .*

Shoot *all* portions of your video in landscape orientation

Provide permission for ASABE to use and share your video, and obtain written permission from any other people who appear in your footage

Email your video by April 15, 2021, to [ypc@asabe.org](mailto:ypc@asabe.org)

*Don't. . .*

Use any copyrighted material (eg, music)

Actively promote any specific products or brands.

Show equipment being used in an unsafe manner (eg, ROPS or shielding removed)

Direct any questions to [Sasi Rajendran](#).

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## **Applied Engineering in Agriculture and Transactions of the ASABE – New Issues Posted**



Just posted to the ASABE Online Technical Library: new issues of *Applied Engineering in Agriculture* and *Transactions of the ASABE*.

[View the \*Applied\* table of contents](#) with links to the abstract, full-text, and citation, and visit the [Applied Engineering in Agriculture](#) home page to learn more.

[View the \*Transactions\* table of contents](#) with links to the abstract, full-text, and citation, and visit the [Transactions of the ASABE](#) home page to learn more.

Visit our new 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
- [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

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## 2022 Soil Erosion Research under a Changing Climate



New deadlines and submission information have been published for the [Soil Erosion Research Symposium](#). Mark your calendar for January 9-14, 2022, for this decadal ASABE event.

Authors are welcome to edit previously submitted abstracts, and we encourage new submissions as well

The adjusted deadline is February 15, 2021. For full details, links, and contact resources, visit [www.asabe.org](http://www.asabe.org).

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## Site Licenses – How Your University Can Participate

With just a few minutes of your time, you can help your university obtain full access to the ASABE library. Contact your library and let them know about what you need.

Libraries typically rely on requests from faculty or staff before they subscribe to a publisher's content. The more requests your library receives, the more likely your library will be to subscribe. Your library may have a recommendation form on their website or email to your library and tell them of your need and send them this link <https://www.asabe.org/SiteLicense>.

The ASABE Technical Library includes more than 35,000 journal articles, textbooks, official standards, and other material. Many institutions that are related to agricultural and biological engineering, across

the U.S. and in many other countries, already have this access.

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## ASABE Textbook Survey

We need your input to identify a priority list of textbooks in need of revision or creation. Please provide feedback to us using this [Google forms survey](#).

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## DOI for Journal and Meeting Papers

[DOI](#) (Digital Object Identifier) gives each journal article and meeting paper a unique identifier and web address. A web address using the DOI always begins with <https://doi.org/> and then adds your document DOI to the end. So, if your DOI is 10.13031/trans.13943, the web address is <https://doi.org/10.13031/trans.13943>.

Please use the DOI web address when referring to documents instead of one that begins with "<https://elibrary.asabe.org>." When the technical library is moved to a new server, the DOI will be updated to point to the new location.

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## Associate Editors Receive Recognition

ASABE recognizes associate editors who meet or exceed best practices while handling at least four manuscripts during the previous year. Associate editors are key to achieving our goals of a quality peer review in a timely manner. We are pleased to recognize the following individuals for their excellent work.

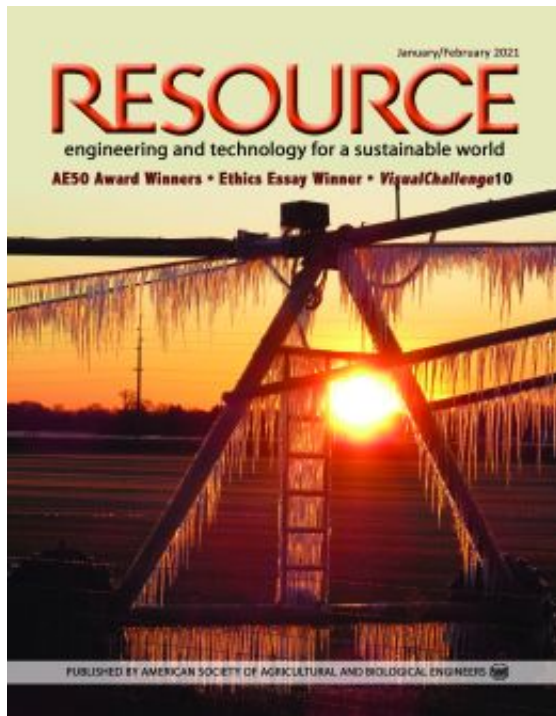
Akinbode Adedeji  
Kingsly Ambrose  
Mark Casada  
Lide Chen  
Christopher Choi  
Prasad Daggupati  
Kyle Douglas-Mankin  
James Etheridge  
Bradley Fritz  
R. Daren Harmel  
Tiffany Messer  
Aaron Mittelstet  
Kaushlendra Singh  
Kelly Thorp

Ernest Tollner  
Tamie Veith  
Donghai Wang  
Lin Wei  
Binxin Wu  
Sarah (Xiao) Wu  
Yang Zhao

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## January/February e-Resource Magazine Now Online



The January/February issue of *Resource* magazine is now available online.

This issue of *Resource* features the annual AE50 winners, ASABE's long-standing awards program that recognizes the best new products in agricultural and biological engineering, as selected by a panel of industry experts. The issue also features the tenth annual VisualChallenge, a gallery of images of the ABE profession, as submitted by ASABE members and their colleagues. ASABE's younger members are represented by the winning entry in the annual student essay competition.

Did you know you can share articles in the latest [online version](#) using email, Facebook, Twitter, LinkedIn, and Pinterest? Hover over the bottom edge of the page to show the toolbar. On the bottom right side, click on share/upload icon.

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## Munoz-Carpena Named AAAS Fellow



Rafael Muñoz-Carpena has been named a Fellow of the American Association for the Advancement of Science.

Munoz-Carpena is a professor in the agricultural and biological engineering department at the University of Florida's Institute for Food and Agricultural Sciences. He arrived at UF in 2001 as an assistant professor in the department, based at the UF/IFAS Tropical Research and Education Center. Now a professor in the same department on the main UF campus, he studies one of Florida's most important natural resources: water. He takes a holistic approach to hydrology, researching not just how water moves through the environment but also interacts with local ecosystems and people. Muñoz-Carpena develops computer models that account for these multiple factors and can inform management scenarios and best practices.

Read more about the [AAAS announcement](#).

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# Congrats!

Recognizing the following ASABE staff for their years of outstanding service:

Tina Schultz, Membership, 30 years

Dolores Landeck, Communications, 25 years

Darrin Drollinger, Executive Director, 10 years

Jessica Bell, Meetings, 5 years

Karen Dolohanty, Administration, 5 years

Vicky Harder, Publications, 5 years

Jennifer McAllister, Publications, 5 years

Joe Walker, Publications, 5 years

Jean Walsh, Standards, 5 years



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# Standards Updates

## New Standards

- ANSI/ASABE S627 DEC2020, Weather-based landscape irrigation control systems

## Revisions

- ASAE S207.14 DEC2020, Operating Requirements for Tractors and Power Take-Off Driven Implements
- ANSI/ASAE S331.7 DEC2020, Implement Power Take-Off Drive Shaft Specifications

## Press Releases

- December 2, 2020, ASABE Publishes Standard to Evaluate Control Systems for Landscape Irrigation

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