

American Society of Agricultural and Biological Engineers



Inside ASABE

News for and about ASABE members

April 27, 2020

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RESOURCE



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Stakeholders
to Widen Your
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Improve
Long-Term
Success

RESOURCE
magazine
feature article

From the Executive Director



COVID-19 is changing our lives in ways we may not fully understand until well into the future. I sincerely hope that you and your loved ones are staying healthy during this global pandemic and ask you to [reach out to ASABE](#) if there is anything we can do to help you.

Soon, the May/June issue of *Resource* magazine will be posted electronically (as well as printed, for those like me who prefer consuming reading materials the traditional way). It's a great

read, especially during these difficult days. I suggest starting with President Nokes's opening column then read the Last Word by Board of Trustees members Erin Webb and Julie Carrier. They address COVID-19 and encourage us to keep a broader perspective about how others are coping, and remind us that we collectively have the capacity to apply our talents and systems knowledge to emerge from the pandemic as a stronger global community.

The forthcoming issue of *Resource* highlights a number of activities and plans for the 2020 AIM, in Omaha, scheduled to take place July 12-15. It's reasonable to ask whether the conference will take place in person. The honest answer is we aren't sure. What I am sure of, however, is that the leadership from the Society and the Meetings Council is deeply committed to ensuring that all the critical momentum, energy, and amazing networking associated with AIM is not canceled or postponed for the year. And whatever strategy they devise will be done in a way that is safe for all involved. Your leadership has pledged to determine by Mid-May the best possible structure for the 2020 AIM and to communicate it broadly, including posting it to our COVID-19 page. In the meantime, stay healthy and thank you for your ASABE engagement.

Darrin J. Drollinger
Executive Director

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ASABE Fellow Jim Jones to Address Ag Systems in NAE Virtual Convocation - Register Now



ASABE Fellow Jim Jones will address food and agricultural systems during the National Academy of Engineering's virtual convocation on complex systems. The free event is taking place Tuesday, April 28, and registration is open to all.

Jones will highlight the developing effort that the ASABE Board of Trustees and the ASABE Foundation are undertaking to encourage the NAE to launch a study and provide recommendations on transforming U.S. culture toward achieving zero waste in the areas of food and agricultural systems. Anticipated goals would conserve, capture, and reuse resources.

Jones's presentation takes place in Block I: Relearning from Complexity (see the Agenda tab on NAE's website). We encourage you to register.

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#ASABE2020 - Assessing Options, Reimagining Opportunities



The 2020 Annual International Meeting is quickly approaching. The global threat of COVID-19 has made it abundantly clear that we will need to be nimble

with our programming and embrace new thinking.

Currently, ASABE leadership and the Meetings Council are working to define what the right options might be. This will require modifying some events, and there is a real possibility of some sessions being held virtually.

We encourage you to continue to register for AIM as usual and for those add-on activities that you would like to attend. This will help us determine what your



WELCOME
New
Members!

We're pleased to share the names of new, reinstated, and student-transfer members added to the ASABE family in the month of MARCH

Click to see who's joined your professional network!

preferences are and to try to keep those options in place rather than canceling them. All payments will be 100% refunded should the need arise to cancel those tours, receptions, and in-person events.

Please watch for an update on the status of AIM in mid-May.

#ASABE2020

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New Ag & Bio PE Exam Date and Incentive Sign-Up

The 2020 paper-and-pencil agricultural and biological engineering PE exam will be held Friday, October 23, 2020. This is the final paper-and-pencil offering before the ABE PE exam moves to computer-based testing. Registration opens at 10:00 am (eastern time) on June 1, 2020, and closes at 3:00 pm on August 20. Please consult the NCEES website for [full details](#) on registration.

The ASABE first-time and repeat ABE PE exam incentive is available again for the 2020 exam offering. The deadline to sign up for the first-come, first-served incentive program is August 20. Additional information on this member-only benefit is available [online](#). To sign up for either incentive program contact [Jasper Cunningham](#) by August 20.

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ITSC Paper Awards - Deadline Extended to April 30

The ITSC Paper Awards deadline has been extended to April 30. The Information Technology, Sensors, & Control Systems (ITSC) technical community sponsors annual paper awards presented at the ASABE Annual International Meeting. This award promotes the development and presentation of high-quality ITSC papers. Award-winning papers will be selected by the ITSC technical community from paper proposals that were submitted for the 2020 annual meeting, in Omaha.

See the [template and instructions](#) for full details, and note the submission deadline of April 30.

Be sure to [register for the meeting](#).

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Michigan State Senior Design Projects Go Online



Perhaps no one is better suited than an engineer to survey, adapt, and create innovative solutions for the problems the world faces. A prime example is Michigan State University's biosystems and agricultural engineering department. Because of COVID-19, the traditional "BE Showcase," which highlights

senior projects, turned virtual this year.

Forty-two students comprising eleven teams took to Zoom, presenting their findings and showcasing their projects. More than 100 spectators joined in, including many alumni, board members, industry partners, university administrators, parents, and sponsors. Following each presentation, the students were able to answer questions submitted by attendees. The posters and a project overview are [available for](#)

[viewing](#).

To spotlight member achievements, student activities, and section events contact [Jasper Cunningham](#).

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Highlight Your Academic Program in "Explore" Special Issue

Gain publicity for your program in a student-focused special issue of *Resource* magazine. We're offering [advertising packages](#) that include copies of the issue for recruitment purposes. This issue is published only every three years. See the [previous issue](#) as an example.

The issue will mail in September 2020 and focus on agricultural technology and systems management students and job newcomers. In addition to magazine subscribers, this issue is distributed via Engineers Week activities, the FFA National Convention, requests for career materials, and other outreach and is used for student recruitment purposes.

To advertise, please:

- notify ASABE by May 20 and return this [order form](#), and
- provide the ad copy by June 4

Contact [Sandy Rutter](#) for information, phone 269/932-7004.

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AIM 2020 Paper Upload - Deadline May 15

Presenting at the ASABE 2020 Annual International Meeting? Be sure to use the [2020 paper template](#) and read the [FAQ](#) for instructions on uploading your paper.

The deadline has been extended to May 15; please complete your upload by midnight eastern time, otherwise it will not be in our online Technical Library until after the meeting.

Email AIMpapers@asabe.org with questions.

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Renew Your 2020 Print Journal Subscriptions



It's not too late to renew your print journal subscription. Contact [Sandy Rutter](#), 269/932-7004. For the 2020 prices, visit www.asabe.org/OrderPeriodicals or contact Subscriptions@asabe.org.

[*Applied Engineering in Agriculture*](#)

[*Journal of Agricultural Safety and Health*](#)

[*Transactions of the ASABE*](#)

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Student Competition Deadlines Near

Students! Please note these upcoming student competition deadlines.

AGCO National Student Design—entries due May 15

This competition is designed to provide an opportunity for undergraduate student teams to submit a professional-quality engineering design project. Top teams will be invited to participate in an oral competition at the annual international meeting. Prizes for top three teams, up to \$1,250.

G.B. Gunlogson Student Environmental Design Open Competition—entries due May 15

Undergraduate students are invited to submit environmentally or biologically related design projects to this competition. Prizes for top three teams, up to \$1,250.

KK Barnes Paper Competition—entries due May 15

Undergraduate students are invited to submit technical papers to this paper competition. Top finishers will be invited to participate in an oral competition at the Annual International Meeting. Prizes for top three finishers, up to \$500.

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Committee Highlight: MS 23/4/1, Agricultural Equipment Braking

You might be surprised by the breadth of scope that ASABE technical committees cover. In upcoming issues of Inside ASABE, we plan to periodically highlight some of these committees, to give their work some well-deserved exposure. Want to get involved in technical activities, like standards development? ASABE technical committees welcome participation.



MS-23/4/1, Agricultural Equipment Braking, focuses on matters relating to braking for agricultural tractors, self-propelled machines, and agricultural implements and trailers. The committee recently completed a multi-year project to develop five new standards, listed below, covering various details pertaining to agricultural equipment braking. These standards, which replace ANSI/ASAE S365, will be widely

referenced and used throughout North America.

Standards maintained by MS-23/4/1 now include:

- ANSI/ASABE S648-1 Agricultural Field Equipment Braking - Part 1: General Requirements
- ANSI/ASABE S648-2 Agricultural Field Equipment Braking - Part 2: Requirements for Agricultural Tractors
- ANSI/ASABE S648-3 Agricultural Field Equipment Braking - Part 3: Requirements for Self-Propelled and Special Self-Propelled Equipment
- ANSI/ASABE S648-4 Agricultural Field Equipment Braking - Part 4: Requirements for Towed Vehicles
- ANSI/ASABE S648-5 Agricultural Field Equipment Braking - Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles

Interested in learning more about this committee? Please contact [Carla VanGilder](#).

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Foundation Fun in Omaha

Attending this year's annual international meeting? Make time for a little fun in support of a great cause.

Gale Holloway Memorial Golf Outing

Sunday, July 12, 7:15 am to 1:00 pm; \$120 includes green fees, cart rental, and lunch

Relax and enjoy the early morning fresh air while golfing with colleagues at [Indian](#)

Creek in Elkhorn, Nebr., featuring three distinct and challenging nines. Omaha's premier 27-hole public golf course thrills golfers with 37 acres of fairway, 80-plus well-placed bunkers, and 15 holes with the threat of water. All levels of golfers are welcome—this will be a four-person scramble format (all play from the best shot).

ASABE Foundation Dinner

Tuesday, July 14, 7:00 to 10:00 pm; \$125 per plate, \$100 for students; includes roundtrip transportation, admissions to tour the museum, and dinner.

Dine with us at The Durham Museum, located in Union Station, where beautiful architecture blends with memories of times past. Enjoy seeing some of Omaha's unique treasures and take a look at the fascinating history of the region, along with a broad range of travel exhibits reflecting history and culture, science and industry. Then sit down to a meal in the stunning ballroom and hear Joe Starita, Pulitzer Prize finalist and professor in the College of Journalism and Mass Communications at the University of Nebraska–Lincoln, share the story of Chief Standing Bear and its impact on Native American tribes. The Foundation dinner is the pinnacle AIM event for good conversation, food, drink, and entertainment—the single best opportunity to mingle outside of your usual circles, network with fellow members, and enjoy the sights.

ASABE Foundation Raffle

Drawing Tuesday, July 14, 5:00 pm

With its history of great prizes, the ASABE Foundation raffle always puts smiles on a few lucky winners each year. Stay tuned for another opportunity to support a great cause and perhaps win big. Purchase your raffle tickets from Foundation members and at the Foundation booth, near the registration area.

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Convert Your AIM Paper to a Peer-Reviewed Journal Article

Get published in one of our peer-reviewed journals. 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](#).

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Coming Soon! ASABE Foundation Giving Day!



ASABE Foundation

Something exciting is coming! Watch your inbox for more information about the ASABE Foundation's Giving Day!

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Special Collections in ASABE Journals - Participate and Read

You can initiate and participate in special collections. To initiate a collection, please contact the appropriate [community editor](#) for your topic. To author an article, see our [journal page](#) for the call for papers and upcoming collections. Note that the full text of collection articles is made available for everyone to view for more than two years after initial publication.

Review all of our [special collections](#). Recently completed collections include:

[Global Water Security](#)

[Wetland Ecosystem Resilience](#)

[Center Pivot Irrigation Tech Transfer](#)

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Recent Standards Activities

Proposed Projects

- X207.14, Operating Requirements for Tractors and Power Take-Off Driven Implements
- X331.7, Implement Power Take-Off Drive Shaft Specifications

New Standards

- ANSI/ASABE S648-1 MAR2020, Agricultural Field Equipment Braking - Part 1: General Requirements
- ANSI/ASABE S648-2 MAR2020, Agricultural Field Equipment Braking - Part 2: Requirements for Agricultural Tractors
- ANSI/ASABE S648-3 MAR2020, Agricultural Field Equipment Braking - Part 3: Requirements for Self-Propelled and Special Self-Propelled Machines
- ANSI/ASABE S648-4 MAR2020, Agricultural Field Equipment Braking - Part 4: Requirements for Towed Vehicles
- ANSI/ASABE S648-5 MAR2020, Agricultural Field Equipment Braking - Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles

Standard Withdrawn

- ANSI/ASAE S365.9 NOV2011 (R2017), Braking System Test Procedures and Braking Performance Criteria for Agricultural Field Equipment

Press Releases

- April 3, 2020, ASABE Completes Development of New Ag Equipment Braking Standards

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In Memoriam - Charles E. Severance



Charles E. Severance passed away four days after his 97th birthday, on March 22, 2020, in Baton Rouge, La.

A native of Darlington, S.C., Severance grew up on the family farm. Winning the national 4-H competition for electricity earned him a scholarship to attend Clemson University. He enrolled after service in World War II, completing his undergraduate degree in 1949 and later earning a master's degree from Louisiana State University. His first job was with the Louisiana Cooperative Extension, and he remained with the extension service until he retired. He was deeply fond of LSU, and an endowed fellowship was created in his name, in honor of his 75th birthday, to benefit LSU students majoring in biological and agricultural engineering.

Severance was a strong supporter of 4-H, and is a member of the Louisiana 4-H Hall of Fame. He was also a member of the Louisiana Professional Engineering and Land Survey Board, the Capital Area Soil and Water Conservation Committee, the LSU Faculty Club Board, the EBR Cattleman's Association, the EBR Farm Bureau, and was a past commander of American Legion Boyd-Ewing Post 58.

He was preceded in death by his loving wife of 61 years, Winifred Loudon Severance, and their eldest son, Charles E. Severance, Jr., his parents, and his siblings. Survivors include five children and several grandchildren.

A private service was held earlier this month. In lieu of flowers, donations may be made to the Charles E. Severance Endowed Fellowship through the LSU Foundation, Mary Bird Perkins Cancer Center, or any charity of your choice.

Read the complete obituary and post condolences at rabenhorst.com.

Severance was a 73-year member of ASABE.

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Inside ASABE

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