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January 2021

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From the Executive Director



We are just about a week from the [25th Agricultural Equipment Technology Conference \(AETC\)](#), a virtual and on-demand event. Chair Mark Dilts and his hard-working team have created a [program](#) worthy of a quarter-century celebration. ASABE President Candi Engler's AE50 awards video is ready to debut at AETC, and she does an excellent job recognizing our 2020 class

of technology leaders. Global thinker Linus Opara will be the keynote presenter and part of a panel discussion with Ajit Srivastava, Margaret Gitau, and Klein Ileleji on "Modernizing the African Agri-Food System." This is a new initiative in which ASABE can take a major leadership role.

Meanwhile, the Meetings Council is making great progress on the [2021 Annual International Meeting \(AIM\)](#), which will be held virtually in July. Based on participant feedback from last year's virtual AIM, this year's program will be stretched over an additional day, lessening the very real fatigue that comes from the long hours of virtual participation. The 2021 AIM will kick off with two keynote presentations by national leaders from the Netherlands and the U.S., followed by a panel representing other professional societies and the chair of the National Academy of Science, Engineering, and Medicine's Board of Agricultural and Natural Resources.

In addition, Kati Migliaccio, Brahm Verma, and Jim Jones are spearheading a series of powerful program elements on circular economies and "Advances toward Circular Food and Agricultural Systems." There will also be a special poster session (see announcement below) in which you can showcase your work and concepts on the subject of circularity in food and agricultural systems. Abstracts for this special poster session can be submitted until February 26 at circulareconomies@asabe.org.

Watch for more details on the AIM and the circular economy initiative in the coming weeks, including the March-April issue of *Resource*.

Darrin J. Drollinger
Executive Director

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2021 Election Reminder—Check Your Email and Vote Now



Choose your Society leadership!

ASABE members were sent an email from Intelliscan on January 7 that included instructions and a secure link to the balloting website. If you haven't voted, check for your email message, click on the link, and vote. It's that simple! Not seeing the email? Please check your junk file.

Thanks to those who have already voted! Your vote validates the importance, to you and to ASABE, of the work for which these [candidates](#) have volunteered.

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

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ASABE and Circular Economies: Call for AIM Posters

ASABE invites you to submit an abstract for a special poster session, "Advances Towards Circular Food and Agricultural Systems," planned for this year's annual meeting. Showcase your concepts, proposed projects, models and data analytics tools, on-going research and demonstration projects, or other advances in food or other agricultural systems that contribute to circularity of components or of entire value chains. Note the submission deadline of February 26.

ASABE has adopted "Transforming Food and Agricultural Systems into Circular Economies" as a national priority issue, with the concept receiving wide recognition as a feasible approach for developing more productive, efficient, and sustainable food and agricultural systems. The poster session will be a part of a mini-symposium being held at the annual meeting that will include two keynote presentations, a panel discussion, and an invited session. Also planned in 2021 is a call for papers for a special collection in *Transactions of the ASABE*, announcement of which is forthcoming in *Resource* magazine and on the journal's [webpage](#).

Please contact [Kati Migliaccio](#), [Brahm Verma](#), or [Jim Jones](#) with questions about this poster session. Abstracts can be submitted at circulareconomies@asabe.org.

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Celebrating Black History Month with BIPOC in ASABE



The BIPOC in ASABE group serves as a network for Black, Indigenous, and People of Color (BIPOC), their mentors, and champions within ASABE. We seek to create a supportive community of culturally engaged engineers and related professionals from all backgrounds and to foster an environment where they can affirm shared experiences as historically underrepresented engineers.

Follow @ASABE_BIPOC during Black History Month. We'll highlight contributions by members of diverse racial backgrounds to the field of agricultural and biological engineering.

Black History Month offers opportunity for growth and appreciation. My challenge to all of us this month is to take one action per day to further our awareness and compassion of detrimental effects of structural racism of people of color in America. For inspiration and ideas, check out [these excellent resources](#).

Want to get involved with BIPOC in ASABE? Sign up to stay informed with what's happening [in our group](#), and follow us on Twitter @ASABE_BIPOC. For questions or to share efforts this month, contact [Janie Moore](#).

--Janie Moore, BIPOC in ASABE

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2021 AE50 Award Winners Recognized at AETC



The recently announced [AE50 Award winners](#) will be recognized at the 2021 Agricultural Engineering Technology Conference next month.

Each year AE50 awards honor companies offering the best engineered products for agricultural, food, biological, and related systems. These companies continue to push the envelope of new equipment design through innovation. The AE50 products featured by this award were new to the marketplace in 2020, and all have the potential for a broad impact in their area of industry. The AETC session is an excellent opportunity to learn of new features incorporated into these products and share a portion of their journey to the marketplace. The session is open to all and will feature presentations on a sampling of those products receiving 2021 AE50 awards.

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

Registration is still open. For all details and program information, see asabe.org/AETC2021.

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New Faces of ASABE—Take Your Best Shot at \$2000!

#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

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

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Publish in a Special Collection

Manuscripts are due by March 1 for “Streambank Erosion, Sediment Dynamics and Restoration: Monitoring, Modeling and Case Studies.” See our [journal web page](#) for more information. Our [other special collections](#) include the most recently published [irrigation symposium](#) and upcoming “[Agricultural Conservation Practice Effectiveness](#)” to be published in 2021. The “Circular Food and Agricultural Systems” special collection details will be published in March, with manuscripts due September 30.

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Suggest a CPD!

Instruction material wanted! We are still accepting proposals for Continuing Professional Development courses to be held during AIM. If you are interested in organizing a CPD, fill out the [form](#) and submit before February 1.

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Standards Developer Award Nominations Open

Each year, ASABE recognizes the significant efforts of those teams who devoted time and energy to revision and development of ASABE Standards during the previous calendar year. To be considered for this award, nominations must be submitted by the chair of the committee responsible for the standard by March 15.

For further information please contact [Carla VanGilder](mailto:vangilder@asabe.org) vangilder@asabe.org

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Coming Up: Two Great Events from YPC

Mark your calendar for two engaging events brought to you by the Young Professionals Community!

Production Spotlight Webinar: Jay Schmuecker

February 24, 5 pm (eastern time)



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 Blirstown, Iowa. Join us via Zoom 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, Register](#)

Career Spotlight Webinar: Luke Zwilling and Eric Snodgrass

March 9, 1 pm (eastern time; 1 hour with Q&A)



Have you ever thought about becoming part of a startup business? Maybe you have and want some pointers on taking the leap to becoming an entrepreneur and engineer. ASABE member Luke Zwilling and meteorologist Eric Snodgrass were involved in a venture called Agrible, Inc, and they've offered to lend their insights on the start-up process. Agrible provides real-time agronomic information and sustainable solutions through long-term, scalable sustainability programs for agricultural and other businesses. Join YPC as we learn more about

their career choices, the opportunities they seized, and the advice they have for those considering a major career change. [Register](#)

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2020-2021 ASABE Member Roster Available

The printed member roster, available exclusively to ASABE members, remains a popular publication thanks to its ease of use and rich content. This excellent reference publication offers not only contact information for fellow ASABE members around the world, but also organizational and historical details of the Society, like the constitution and bylaws, section officers, directories of past presidents and Fellows, and a staff directory. All at your fingertips—no clicking, typing, or login required.

Contact us at www.asabe.org/OrderPeriodicals or call 800-695-2723 to order your copy. Cost is only \$39, plus postage and handling.

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Students! Note These Scholarship Opportunities

The deadline to apply for these ASABE scholarships is March 15. See each link for details on eligibility information and entry forms.

[Undergraduate Students: William J. Adams, Jr. and Marijane E. Adams Scholarship - \\$2,000](#)

[Undergraduate Students: ASABE Foundation Engineering Scholarship - \\$2,000](#)

[PhD Students: John C. NYE Graduate Fellowship - \\$2,000](#)

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2021 Student Awards and Competitions Entry Dates Announced

ASABE hosts a variety of student competitions for a wide range of interests. Please see the link following each competition or award for eligibility details and entry forms. Visit the ASABE [Student Awards and Competitions](#) site for more details and entry instructions for each competition.

May 1

ASABE Robotics Student Design Competition

March 15

Boyd-Scott Graduate Research Award

April 15

G.B. Gunlogson Environmental Fountain Wars Design Competition

April 20

Student Honor Award

May 15

K.K. Barnes Student Paper Competition

AGCO National Student Design Competition

G.B. Gunlogson Environmental "Open" Design Competition

AIM Student Oral/Poster Presentation Competition

All students who submitted an abstract to present at the 2021 Annual International Meeting will automatically be contacted to participate in this competition. Keep an eye on your email for more details!

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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.

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Read and Publish—An Invitation from ASABE Journals

Transactions of the ASABE

Full-length technical articles describe the application of engineering principles to the solution of agricultural problems—the world's most comprehensive compilation of selected research on engineering in agriculture and biological systems. Contains approximately 200 articles in six bimonthly issuers per year.

[Publish in Transactions](#)

[Read Transactions](#)

Applied Engineering in Agriculture

This publication focuses on practical applications of current research in areas related to engineering for agriculture. Contains approximately 100 articles in six bimonthly issues per year.

[Publish in Applied Engineering](#)

[Read Applied Engineering](#)

Journal of Agricultural Safety and Health

This journal emphasizes areas such as engineering, occupational safety, public policy, education, and public health. Includes articles on engineering design and application; safety and health intervention; and the identification, reporting, treatment, and prevention of trauma and illness. Contains approximately 250 pages in four quarterly issues per year.

[Publish in Journal of Agricultural Safety and Health](#)

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

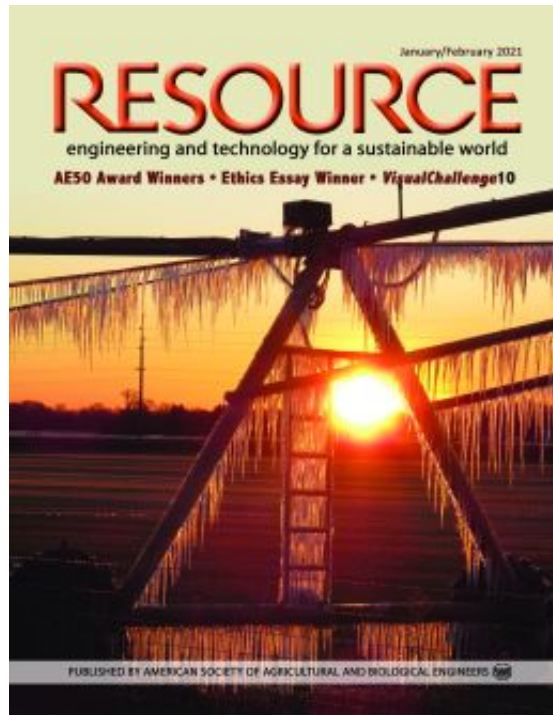
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Hosts Wanted for Speed-Networking Event at 2021 AIM



Planning for ASABE's 2021 Annual International Meeting is in full swing. The Young Professionals Community is sponsoring an industry-focused speed networking event and is in search of breakout-room hosts. If you have interest in this lively and rewarding event, please email [Sushant Mehan](mailto:Sushant.Mehan) for more information.

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Stunning Images of the Profession

Check out the VisualChallenge10 portfolio of photos in the current issue of [Resource](#) magazine!

Amatya Honored for Science Contributions



ASABE Fellow Devendra Amatya was recently presented the Distinguished Scientist award from the US Forest Service's Southern Research Station. The award recognizes his "significant contributions advancing understanding the hydrology of wetland forests and the impacts of the management activities to ensure sustainability."

Since 2002, Amatya has been a research hydrologist with the Forest Service's Center for Forested Wetlands Research, in Cordesville, S.C. His primary research areas include hydrology and water quality of coastal forests.

Amatya is a 28-year member of ASABE.

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In Memoriam—Robert M. Peart



Robert M. Peart, 95, of West Lafayette, Ind., passed away on December 25, 2020. Peart was born November 11, 1925, in Annawan, Ill., to the late Gail and Alice (Crosland) Peart. He was a veteran of the Army Air Corps during WWII. He married Mary Virginia King in 1948.

Peart received his PhD from Purdue University and served as professor of agricultural engineering at Purdue University and later at the University of Florida, where he retired as professor emeritus. He also pursued Sabbaticals at MIT, University of Colorado, Cornell University, and Clemson University. Peart authored several books and articles on biosystems engineering and renewable technologies and received numerous international awards for his contributions to agricultural sciences.

Peart was a member and supporter of Habitat for Humanity, Kiwanis, Salvation Army, Cru, and Rotary International. He was a 71-year member of ASABE. He was inducted a Fellow in 1979 and was a double gold-medal winner, earning both the Case-McCormick and Massey-Ferguson gold medals.

Read [full obituary](#).

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Standards Updates

Proposed Projects

- X648-4.1, Agricultural Field Equipment Braking - Part 4: Requirements for Towed Vehicles
- X648-5.1, Agricultural Field Equipment Braking - Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles

Standard Withdrawn

- ANSI/ASAE S377 DEC1974 (R2015) Application of Remote Linear Control Devices to Lawn and Garden Ride-On Tractor Attachments and Implements

Press Releases

- January 21, 2021, ASABE to Revise Braking Series Standards

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