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December 2021

In This Month's Issue:

- [From the Executive Director](#)
- [2022 Slate of Candidates Announced: Dana Porter Nominated for President](#)
- [AE50 Winners Announced](#)
- [Member Generosity Raises Thousands on Giving Tuesday](#)
- [Touch the Future! Join ASABE in STEM Outreach](#)
- [Last Call for Giving Back Fund, IDEA Award Applications](#)
- [YPC News and Events](#)
- [AIM 2022: Registration Now Open](#)
- [Final Chance to Watch 2021 AIM Content](#)
- [Associate Editors Recognized for Contributions](#)
- [Balasubramaniam Appointed to USDA Advisory Board](#)
- [Two Special Collections Wrapping Up](#)
- [New Irrigation Textbook Completed](#)
- [Call for Abstracts: Irrigation Drainage Symposium](#)
- [ASABE Publishes Special Collection on Preferential Flow](#)
- [Mark Calendars for Fellowship, Scholarship, and Competition Deadlines](#)
- [AETC 2022 Early Bird Rates Closing](#)
- [Global Initiative Conference to Focus on Sustainable Energy](#)
- [Soil Erosion Research under a Changing Climate](#)
- [Recent Standards Activities](#)
- [In Memoriam—E. Dale Threadgill](#)

From the Executive Director



Here at ASABE headquarters, this year's holiday get-together felt extra special because we'd had to cancel last year's event. On December 10, we took a break from the office, went out to lunch at a fine local restaurant, and recognized staff members who achieved milestone anniversaries in 2021. In the

picture from left to right: Robert Smith and Walter Brace (each with 5 years at ASABE), Glenn Laing (20 years), Sandy Rutter and Mark Zielke (each with 35 years), and Scott Cedarquist (20 years). Congratulations and thank you all for your dedicated service!

campaign for the ASABE Foundation. Last year we raised \$30,637, and so far this year we have received \$37,384, with more pledged. This campaign will support student competitions, awards, and scholarships, and the Foundation will match all donations, making a great thing even better. Several donors have mentioned that they were inspired to contribute by Anne Ryerson's article on the [Giving Back Fund](#) in the November/December issue of *Resource*.

Early in the new year, watch for an email with the subject line "VOTE in the ASABE 2022 Election." The email will include instructions on how to vote. The election goes live on January 6, and we have the most diverse group of candidates in ASABE history. Check out the [candidates' backgrounds here](#). The ballot will also include a question on extending voting privileges to students. Please join with me and the Board of Trustees and vote "yes" to give our student members full voting privileges.

Lastly, from all of us at ASABE headquarters, we wish you a healthy and prosperous 2022!

Darrin J. Drollinger
Executive Director

[Back to top](#)

ASABE Annual International Meeting

2022 Annual International Meeting

July 17-20

Marquis Marriott, Houston

Early Bird Registration now open

Call for Abstracts Closes January 5

Scroll to the [article below](#) for details on submitting an abstract.

ASABE Events at a Glance

January 15-17, 2022

[California and Nevada Student Rally](#)

San Luis Obispo, California

February 14-16, 2022

[Agricultural Equipment Technology Conference](#)

Louisville, Kentucky

Early bird rates closing soon

May 16-19, 2022

[Sustainable Energy for a Sustainable Future](#)

San Jose, Costa Rica

[Complete list of ASABE Events](#)

2022 Slate of Candidates Announced: Dana Porter Nominated for President



candidates on the ballot for the 2022 election of Society officers. Review the [full slate](#) and get acquainted with the candidates.

Also, on the ballot this year is a potential [change to the constitution](#) to make Student Members-Engineer and Student Members ASABE corporate members with full voting privileges.

Members with a valid email address will be sent balloting instructions on January 4 from Intelliscan. Voting will open electronically beginning January 6 with a personalized secure link sent to your email, again from Intelliscan. Contact [Joann McQuone](#) (269/932-7022) with any questions you may have about the process.

Balloting will close March 1, 2022.

[Back to top](#)

AE50 Winners Announced



AE50 awards highlight the year's most innovative designs in engineering products or systems for the food and agricultural industries.

The products will be featured in the January/February 2022 special issue of *Resource*.

For a list of the winners, visit the AE50 [webpage](#).

[Back to top](#)

Touch the Future! Join ASABE in STEM Outreach



Today's youth want to make a difference in their world. Agricultural and biological engineering is the career path that will help them do just that. That's one reason ASABE is proud to support DiscoverE's [Future City Competition](#). This year's contest theme is

Waste-Free Cities. As a leader in circular systems for agriculture, we're pleased to sponsor a special award at all regional competitions, *Outstanding Use of Circular Economy Principles*. Regional competitions take place in January, most of them virtually. As a judge, you'll have the opportunity to engage one-on-one with student teams.

This is a great opportunity to share your enthusiasm for the profession. As competitors, the students have already demonstrated an interest in engineering, and as adolescents, they're at an important point in their academic careers.

Your engagement will create a ripple of influence among the students, their advisors, and their engineer mentors. Future City engages tens of thousands of middle school students annually, as well as their teachers, parents, and engineering mentors. It's a project-based learning program in which students imagine, research, design, and build cities of the future.

Contact [Dolores Landeck](#) with questions or to request the link to the sign-up form.

[Back to top](#)

Tuesday



On November 30, 2021, ASABE members came together to give generously, share kindness, and drive impact on Giving Tuesday 2021.

To date, we have received more than \$37,000, with additional pledges coming in. A generous match from ASABE Foundation will double this amount, all

of it supporting student competitions, scholarships, and many other programs and initiatives of ASABE.

The passion and care of people like you keeps us going, and we hope we make you proud with how we pay these funds forward to benefit our members and our profession.

Keep an eye out for updates on the impact of your Giving Tuesday donation in the coming months, along with other ways to get involved.

Thank you again for your generous support.

[Back to top](#)

Last Call for Giving Back Fund, IDEA Award

Here's a final call for nominations for ASABE's newest major award, the [ASABE IDEA](#) (Inclusion, Diversity, Equity, and Access) award, which will recognize ASABE members who have made significant contributions toward advancing those values.

Also, if you are engaged in or considering a humanitarian engineering project that could benefit from financial support, you're encouraged to get an application in for a [Giving Back](#) grant.

Submissions for both are due to ASABE headquarters by December 31.

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

[Back to top](#)

New Additions to the Technical Library

Just posted to the ASABE Online Technical Library

Applied Engineering in Agriculture 37(6)

[Table of Contents](#)

or visit this journal's [home page](#).

Transactions of the ASABE v64(6)

[Table of Contents](#)

or visit this journal's [home page](#).

Available in Open Access

[Coupling a Pest and Disease Damage Module with CSM-NWheat: A Wheat Crop Simulation Model](#)

[Camera for Land Surface Temperature Measurements](#)

[Comparative Life Cycle Assessment of Edible Vegetable Frying Oils](#)

[Validation and Development of Discharge Equations for 3D Printed Flumes for Flow Monitoring](#)

[Stage-Discharge Relationships of Drawdown Plates for Denitrifying Woodchip Bioreactors](#)

[An Empirical V-notch Weir Equation and Standard Procedure to Accurately Estimate Drainage Discharge](#)

[A Geographical Survey of Center Pivot Irrigation Systems in the Central and Southern High Plains Aquifer Region of the United States](#)

YPC News and Events

Thursday, January 27, 8 pm (eastern)

YPC Graduate Student Social—Escape Room

Join the YPC to socialize and participate in an escape-room activity. We look forward to seeing you!

[Advance registration](#)

After registering, you will receive a confirmation email containing information about joining the meeting.

Graduate Student Feedback

As part of ASABE, the Graduate Student Task Force within the Young Professionals Community Executive Team is looking to collect some information on Society involvement of graduate students among the affiliated academic programs at the various institutions. The goal of this initiative is to better understand the current level of involvement and leverage the collected data to establish a plan for increasing the overall grad-student engagement in the Society. Your responses would be very much appreciated!

Follow [this link](#) to participate in the survey. Questions? Contact [Sara Weyer](#) or [Bailey Adams](#).

[Back to top](#)

AIM 2022: Registration Now Open



July 17-20

Marriott Marquis, Houston, Texas

We are working hard to make 2022 AIM a welcome return to in-person meetings for ASABE. Houston has so much to offer, we can't wait to see you all there! Registration is open at Early Bird rates now through May 2.

Those attending that will also be presenting an abstract in one of our 115+ technical sessions will want to ensure to be registered by this date to confirm their presentation.

Meeting activities, CPDs, tours, and more will be added in the spring. We will be posting all

hosting one.

The [AIM website](#) has all of the information currently available from registration rates to hotel information, technical session listings, to the form to host a social, tour, or CPD.

A reminder that the deadline for [submitting abstracts](#) is January 5. Refer to the list of [session topics](#) for options.

[Back to top](#)

Final Chance to Watch 2021 AIM Content

Still thinking about that *one* presentation from last summer's annual international meeting? Want to go back to watch it again? January 8 will be your last opportunity to do that!

Your meeting registration includes access to all of the recorded content that was captured during the meeting. Refer to your meeting registration confirmation email for access.

[Back to top](#)

Associate Editors Recognized for Contributions

Associate editors meeting our best practices for the calendar year receive a certificate of recognition. ASABE thanks and recognizes the following individuals for their efforts in 2021:

Lilong Chai, Arend-Jan Both, Jun Zhu, Michael Dukes, Kenneth Sudduth, Kendall DeJonge, Shafiqur Rahman, David B. Parker, Gautam Srivastava, David Bjorneberg, Ken Stone, Tami Brown-Brandl, Shaojin Wang, Mark Casada, Michael Sama, Derek Heeren, Marvin Paulsen, Harold Thistle, Jaume Puig-Bargués and Sammy Sadaka.

[Back to top](#)

Balasubramaniam Appointed to USDA Advisory Board



ASABE member V.M. "Bala" Balasubramaniam, professor of food engineering at The Ohio State University, has been appointed to the [USDA NAREEE Advisory Board](#). The NAREEE Advisory Board provides feedback to the Secretary of Agriculture, to USDA's Research, Education, and Economics (REE) mission area, and to land-grant colleges and universities on food and agricultural research, education, extension and economics priorities and policies. The Advisory Board also provides reports and recommendations to the appropriate agricultural committees of the U.S.

Congress.

Bala's research focus has been on food process design, development, and validation of various clean food manufacturing technologies that satisfy consumer demand for minimally processed foods with health-promoting nutrients preserved. Recent laboratory efforts have focused on various innovative applications of high-pressure-based technologies in the food industry. For his outstanding food engineering research contributions, Bala received 2021 Institute of Food Technologists.

NAREEE Board members are selected and appointed by the Secretary of Agriculture. Each NAREEE Advisory Board member represents a specific category of U.S. agricultural stakeholder as outlined in the Agricultural Improvement Act of 2018. These areas include farming or ranching, food production and processing, forestry research, crop, and animal science, land-grant Institutions, non-land-grant colleges, or universities with a historic

Bala is a 31-year member of ASABE. He is also a member of the Institute of Food Technologists, who awarded him the 2021 Research and Development award.

[Back to top](#)

Two Special Journal Collections Wrapping Up

Two more special collections are nearing completion, [Computer Modeling and Statistics for Agriculture](#) and [Unmanned Aerial Vehicles \(UAV\) in Agriculture](#).

See these and all of our other special collections at <https://www.asabe.org/SC>.

[Back to top](#)

New Irrigation Textbook Completed

ASABE's newest textbook, [Irrigation Systems Management](#), has been completed. This open-access textbook is available for download along with PowerPoint slides at www.asabe.org/ISM. Instructor materials may be ordered from ASABE sometime in January.

[Back to top](#)

Call for Abstracts: Irrigation Drainage Symposium

We invite your participation and presentations for the [11th International Drainage Symposium](#), August 30–September 2, 2022, at Marriott Des Moines Downtown in Des Moines, Iowa. Presenting at the International Drainage Symposium is an opportunity to share your work with drainage researchers, professionals, and practitioners from around the world. The Symposium will include both oral presentations and poster sessions. The [deadline to submit](#) is March 25, 2022.

[Back to top](#)

Special Collection on Preferential Flow

Our [special collection](#) on preferential flow presents current research on subsurface preferential flow measurement, visualization, modeling, and impacts on contaminant fate and transport at scales ranging from the subsurface pore scale to the plot scale to the watershed scale.

These selected works are from a broader invited session at the 2020 ASABE Annual International Meeting.

[Back to top](#)

Mark Calendars for Fellowship, Scholarship, Competition Deadlines

All entries for the 2022 Nye Graduate Fellowship, the ASABE Foundation Scholarship, and

Students! Many of our competition application deadlines have been updated to better align with common semester-based timelines. Make note of these entry dates, and prepare to participate!

March 15

Boyd-Scott Graduate Research Competition

April 15

Bioprocess Startup Competition
Ethics Essay and Video Competition
Fountain Wars Competition
Robotics Competition

May 15

AGCO National Student Design Competition
KK Barnes Student Paper Competition
Gunlogson Design Open Competition

For more details on eligibility or competition guidelines, please visit the [student-awards webpage](#).

[Back to top](#)

AETC Early Bird Registration Closes January 3



February 14-16
Omni Louisville Hotel

Register now through January 3 to enjoy advance rates on AETC registration.

Program details, registration rates, and information on the hotel and surrounding area are available on our [web page](#).

Highlights include:

- Celebrating the 2022 AE50 award winners
- Keynote presentation and lunch
- Three continuing professional development courses
- Distinguished Lecture Series

[Back to top](#)

Global Initiative Conference Focuses on Sustainable Energy

May 16-19
San Jose, Costa Rica

The call for abstracts is now open for the 3rd conference in the ASABE Global Initiative Series, Sustainable Energy for a Sustainable Future. Submit now through January 31 to share your research and views about our global energy concerns. The submission portal and program details can be found at the [conference website](#).

[Back to top](#)



Soil Erosion Research under a Changing Climate



January 8-13
Punta Borinquen Resort, Puerto Rico

The call for abstracts remains open through February 15, 2022. Authors of accepted and presented abstracts will have the opportunity to submit a full paper or extended abstract to the proceedings or a full paper for a peer-reviewed publication in the Journal of the ASABE (formerly Transactions of the ASABE) special collection. Find instructions on submitting your abstract, the link to the submission portal, and all the deadlines at the [symposium website](#).

[Back to top](#)

Recent Standards Activities

Proposed Projects

- X627.1, Weather-based Landscape Irrigation Control Systems
- X6689:2021, Equipment for harvesting – Combine harvesters and functional components – Vocabulary
- X8210:2021, Equipment for harvesting – Combine harvesters – Test procedure and performance assessment
- X12003-1:2021, Tractors for agriculture and forestry – Roll-over protective structures on narrow tractors – Part 1: Front-mounted ROPS
- X12003-2:2021, Tractors for agriculture and forestry – Roll-over protective structures on narrow tractors – Part 2: Rear-mounted ROPS

Revisions

- ANSI/ASAE S276.8 APR2016 (R2020) Cor 1, Slow-Moving Vehicle Identification Emblem (SMV Emblem)
- ANSI/ASABE S648-4.1 NOV2021, Agricultural Field Equipment Braking – Part 4: Requirements for Towed Vehicle
- ANSI/ASABE S648-5.1 NOV2021, Agricultural Field Equipment Braking – Part 5: Requirements for the Interface between Towing Vehicle and Towed Vehicles
- ASABE/ISO 24347:2019 NOV2021, Agricultural vehicles – Mechanical connections between towed and towing vehicles – Dimensions of ball-type coupling device (80 mm)

Press release

- November 15, 2021, ASABE Adopts New ISO Standard for Towing Equipment Using 80 mm Hitch (Press Release)
- November 24, ASABE Completes Braking Standard Revisions (Press Release)

[Back to top](#)

In Memoriam



E. Dale Threadgill

ASABE Fellow Ernest Dale Threadgill, 79, passed away surrounded by his family on December 4, in Watkinsville, Ga.

Born in Tallassee, Ala., Threadgill was a graduate of Auburn University. He enjoyed a 45-year career in academia, including 7 years at Mississippi State University, and the remaining 38 years at the University of Georgia. He retired in 2013 as Founding Dean of the College of Engineering.

Threadgill was a passionate servant leader. He served as Advisor to Leadership Georgia for 35 years and was a Boy Scout Leader for 20 years. His contributions to these and other organizations over the years have significantly enriched many lives and enhanced Georgia's future.

Threadgill was elected an ASABE Fellow in 1992. He was a 53-year member.

[Full obituary](#)

[Back to top](#)



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