

American Society of Agricultural and Biological Engineers



Inside ASABE

News for and about ASABE members

July 31, 2020

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**WELCOME
New
Members!**

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

Click to see
who's joined
your
professional
network!

From the Executive Director

The first of July marked my ten-year anniversary as executive director at ASABE. It's interesting to reflect back on what's changed. I never would have guessed that



our 2020 Annual International Meeting (AIM) would be virtual, and that a global pandemic would alter nearly every aspect of our daily lives. On the other hand, while I was optimistic that we would have our first female president during the last decade, I never predicted that we would have four!

Sonia Maassel Jacobsen (2011-2012) was first. She assumed the presidency after the AIM in Louisville. Sonia inspired us all to reflect on how our work makes a bigger difference than we may realize. For me, one of her biggest legacies was endowing the [ASABE Foundation's Giving Back Fund](#), which provides financial support to projects that showcase the knowledge and skills of our profession through efforts that benefit underserved individuals and groups.

Mary Leigh Wolfe was our second female president (2015-2016), starting her term after the AIM in New Orleans. A major priority of hers was building partnerships and advancing our [global initiative work](#). We partnered with many organizations and held the successful "Engineering and Technology Innovation for Global Food Security" conference in South Africa in 2016. Another milestone during Mary Leigh's presidency was completing the [goals and strategies](#) that are guiding us today.

Our immediate past president, Sue Nokes (2019-2020), started her term last year, after the Boston AIM. She has positioned us well to take a leadership role in working toward circular economies for agriculture, which can eliminate the traditional linear approaches to food production and achieve real sustainability. Another legacy for Sue will be the creation of the new committee for embracing inclusion, diversity, equity, and access (IDEA) within ASABE, which will significantly advance our goal of cultivating a diverse, thriving, and engaged membership. Sue also did a phenomenal job recording hours of excellent programming in support of this year's virtual AIM.

Now we are pleased to welcome Candi Engler as our new president for 2020-2021. Candi is our first female president to immediately follow another woman. She is also likely our youngest president in perhaps 100 years (beating past-president Terry Howell, Jr., by just a few years), and she may be the first full-time farmer to assume the presidency. As the theme for her term, Candi is energetically encouraging us all to *Get Involved!*

This year has been a challenge for everyone, but better times are ahead. In the meantime, be sure to watch Sue and Candi's video from the close of the virtual AIM: "[A Look Back & A Look Forward.](#)"

Darrin J. Drollinger
Executive Director

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ASABE Welcomes New Student Branch

ASABE is excited to announce that the University of Agriculture Faisalabad (UAF) in Pakistan was recently chartered via approval from the Membership Development Council. The official business name is *University of Agriculture Faisalabad (UAF) Student Branch of the American Society of Agricultural and Biological Engineers*.

All undergraduate and graduate student members of ASABE are a part of the International Student Branch, a membership community focused on providing content, networking, and resources for students. Local branches can be established at accredited academic institutions. Learn more on the [ASABE website](#).

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Ag & Bio PE Exam Date and Incentive Sign Up

Are we
unique
but too
humble
about our
profession?



Read
President
Sue Nokes's
final column
in
Resource
magazine

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 opened on June 1 and closes at 3:00 pm EDT on August 20. More information is available [from NCEES](#).

The ASABE first-time and repeat ABE PE exam incentive is available for the October 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 can be found [online](#). To sign up for either incentive program contact [Jasper Cunningham](#).

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2020 Annual International Meeting: Enjoy Through August 9, Registration Still Available



Was there a session you overlooked? Did you have to duck out early from a great panel discussion? Are you among those who never registered and are now regretting that decision?

No worries! There's still an opportunity

for you to catch up on all of the great presentations and dialogue that took place at the 2020 Annual International Meeting. Registration remains open through July 31, and until August 9 all new and current registrants will be able to enjoy the prerecorded presentations *plus* all of the recorded content produced during the live event.

Visit the [agenda page](#) for a summary of what was offered at AIM. Highlights include:

- 2020 AIM Keynote Speaker, John Stone, Deere & Company President
- Presidential remarks from Sue Nokes and Candi Engler
- A special presentation from the E-2050 community: Modernizing African Agriculture
- Oral history report—A Conversation with our Elders
- NRES and PAFS Distinguished Lecture Series and NRES Career Paths
- Guest speaker sessions
- ASABE TV schedule—All of the scheduled presentations are available on-demand
- All technical session presentations and their corresponding Q&A sessions
- The CPD course Agricultural and Biological Engineering Data Handling Using R
- Award presentations and the 2020 Fellows recognitions
- [Professional Development Hours](#)—credit applies to all technical content!

Use the Hub access link provided upon meeting registration to view recorded sessions. New registrants can [sign up now](#).

And here's a reminder that session proposals for the [2021 annual meeting](#), in Anaheim, are being accepted until August 31. Contact your technical community's program chair to submit your proposal.

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Committee Rosters, Descriptions Due to HQ; Watch for Leadership Training



The close of the ASABE Annual International Meeting is a time of transition and a flurry of action items for committees. Here are a few items that we'd like you to keep in sight.

The leadership training, originally scheduled for the annual meeting, will take place in September, likely in the second half of the month, after roster updates have been completed. Individual invitations will be sent to the current chairs and vice chairs. However, the training is open to anyone. If you've ever considered volunteering for a leadership role, this is an excellent opportunity to get acquainted with tools, structures, and responsibilities. Training will take place virtually, so all are welcome to participate.

Committee officers: Headquarters will be watching for several documents from your committee in coming weeks. These include your updated *membership roster*, *meeting minutes*, and *committee description*. 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 participation 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.

Finally, while firming up your task list and capitalizing on momentum generated by the recent meeting, you may find this to be an excellent time to review your committee bylaws, to ensure they accurately describe scope, operations, and ASABE organizational structure. Some committee bylaws likely contain language that does not reflect the Society's reorganization, which took place in 2014.

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New Submission Process - AE50 Nominations to Open August 1

Are you bringing an innovative product to market this year? Now is the time to consider making a submission for an AE50 award.

Eligible products include machines, systems, components, software, and services that were first made available for purchase or ordering during the 2020 calendar year. Winners stand out for their innovation, significant engineering advancement and impact for the markets they serve. The awards are presented at ASABE's annual Agricultural Equipment Technology Conference, in February. Winning products are also highlighted in a special issue of ASABE's *Resource* magazine.



AEM is once again teaming up with ASABE to present the prestigious Davidson Prize, an elite award presented to the best of the best among the AE50 winners. The ten top-ranked AE50 awardees will be judged by a second panel to determine the winners of the 2021 Davidson Prize.

Entry deadline for AE50 is September 25, 2020. For more details, see the guidelines and entry form online at www.asabe.org/AE50. If you have questions about the AE50 awards program or the Davidson Prize, please contact awards@asabe.org.

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AIM Papers Posted to Technical Library

Annual meeting papers provided to ASABE are [now online](#).

Convert your paper to a peer-reviewed journal article. Your annual meeting paper has a very similar format to our journals, making it easier to publish in the journals. To get started quickly, [read this overview](#).

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New! Resources for Conducting Section Business Virtually

In response to the postponement and cancellation of section events due to COVID-19, ASABE has obtained a Zoom line that sections may use to conduct officer business, abridged annual meetings, and membership events. This service is available for scheduling on a first-come, first-served basis. The Zoom line allows for a maximum of 100 participants and offers internet-only audio capabilities. Direct inquiries to [Jasper Cunningham](#).

The Society can also help run point on section event registrations. Let ASABE headquarters help you create an online registration portal, collect payments, and house registration rosters. If interested, please, contact [Tina Schultz](#).

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2020 Standards Development Awards

We extend our appreciation and congratulations to this year's recipients of Standards Development awards, in recognition of their many hours of service and leadership in bringing ASABE standards projects to completion.

Revision ANSI/ASAE S279.18 OCT2019, Lighting and Marking of Agricultural Equipment on Highways
MS-23/4/3, Lighting & Marking

Revision ASAE S292.6 SEP2019 Uniform Terminology for Agricultural Waste and By-Product Management
NRES-27 Agricultural By-products and Animal Mortality Management Systems

New Standard ANSI/ASABE S638 MAY2019, Pintle Hitch and Ring for Over the Road Towed Implements
MS-23/4/5, Tractor Implement Interface/PTO

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Conference Recognitions

Among the annual honors ASABE extends each year is the recognition of leadership in specialty conferences.

Conference chairs invest time, energy, and expertise to organize the Society's specialty conferences, and this year we recognize Scott Frost, chair of the 2020 Agricultural Equipment Technology Conference, held this past February in Louisville. Thank you, Scott, for your generosity of time and leadership in making AETC 2020 a success!

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Congratulations to Our Blue Ribbon Awardees

Winners of the 2020 ASABE Educational Aids Blue Ribbon awards were recognized during the Annual International Meeting. The Society extends its deepest appreciation to the following individuals for their outstanding efforts in developing noteworthy educational materials over the past year.

Electronic & Web-Based Delivery

Electronic Delivery - DVDs, Web-Based Computer Programs, PowerPoint Shows, Web-Based Video, Audio-Podcasts, Video-Podcasts

Paul Jones, William Field, Matthew Jordan, Will Jackson, Bill Dodd, and Mattie McIntosh; National AgrAbility Project and Purdue University; "AgrAbility: Renewing Hope, Restoring Productivity"

Mary Love Tagert, Michaela Parker, and Blade Hodges; Mississippi State University; "Soil Sensor Installation"

Carmen Agouridis, Amanda Gumbert, and Brian Volland; University of Kentucky; "KYH2O"

S. Dee Jepsen, Kent McGuire, Tim Hicks, Shawnda Vega, Scott Bell, Elise Stoddard, and Victoria Shaw; "Cultivating Safe Farm Operations: An eLearning Safety Series"

Websites

Shawn Ehlers, Ed Sheldon, and William Field; Purdue University; IN-PREPrepared - Indiana Purdue Rural Emergency Preparedness www.inprepared.org

Publications, Print or Electronic

Publications, Short (less than 9 pages)

Sylvester Badua, Ajay Sharda, Keith Cockerline, Jonathan Fabula, and Ignacio Ciampitti; Kansas State University; "Soy-Protein: An Environment-Friendly Seed Lubricant for Pneumatic Row Crop Planters"

Publications, Medium (9-16 pages)

Julie A. Fowler, Alison K. Ludwig, Conor D. Barnes, Dominic J. Cristiano, Hugh Ellerman, Dillon T. Fogarty, Katharine F.E. Hogan, Jessica E. Johnson, Daniel Morales, Rubi Quiñones, and Dirac Twidwell; University of Nebraska, Lincoln; "Ecological Resilience"
Lori Duncan and Tyson Raper; University of Tennessee; "Cotton Nitrogen Management in Tennessee"

Publications, Long (17-32 pages)

No Recipients for 2020

Publications, Comprehensive (33 or more pages)

Harold Watters and Erdal Ozkan; Ohio State University; "Corn, Soybean, Wheat, and Forage Field Guide"
Agustin Olivo, Amy Millmier Schmidt, Richard Koelsch, and Jennifer Keshwani; University of Nebraska, Lincoln; "What is Going on Under Our Feet? Soil Biology Inspection Guide for Students"

Extension Methods and Impact

High Impact Extension Methods

Sherry Lynn Blunk; University of California, Davis and UCCE Master Gardener Program, Yolo County; "The Basics of Straw Bale Gardening: A Yolo County Fair Educational Display based on research-based findings and practical lessons learned from a straw bale demonstration garden"

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VisualChallenge10



What do you see? We want to see it, too! Submit your agricultural and biological engineering images by October 5, 2020.

Now is your chance to convey and celebrate the beauty of your work, your research, or your technical community. It's up to you and your camera, so be

creative! Submit as many entries as you want. All entries should be original work, and the image resolution must be 300 dpi or greater.

E-mail your entries, as attachments to *Resource* magazine editor [Melissa Miller](#). Write *VisualChallenge10* in the subject line, and include a title and brief description for each image. If necessary, include a name for crediting the image and written assurance that permission has been granted to submit and possibly publish the image. The best images will be selected by ASABE staff and published in the January/February 2021 issue of *Resource*. Good luck! Have fun! We'd love to see what you do! To see the winning entries from previous Visual Challenges, visit www.asabe.org/VisualChallenge.

Previous VisualChallenge entry (above) courtesy of ASABE member John Lumkes.

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Order Your 2020-2021 ASABE Member Roster

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. Available November.

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New! Feedback Form Makes It Easy to Suggest New Products and Services

Have you or a colleague ever mused about a great new service or product that you wish ASABE offered? During an ASABE committee meeting, has conversation ever surfaced a shortcoming of an existing digital tool that could be tweaked to better meet your needs? Or have you ever stumbled across, ahem, a typo on the ASABE website that you wished you could call to our attention in just a couple of clicks?

Well, here's the answer in each case: A new feedback form now makes it easy to capture your ideas and concerns and send them off for prompt attention.

We know that most of ASABE's most valuable products and services are grass-roots grown. The recent implementation of a digital tool for submitting awards nominations is one example, the result of a recommendation by members involved with ASABE's awards process. The new feedback form makes it easy to keep those ideas coming. And it can be used for all manner of issues, from reporting a broken link on the website to proposing development or acquisition of new digital tools for committee work.

Once you submit the form, we'll do our best to provide a personal response within two working days.

Thank you for taking the time help us make ASABE products and services the best they can be.

Find more [here](#).

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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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ASABE Member Roster Advertising - Deadline October 1, 2020

Advertise your agricultural or biological engineering expertise to an exclusive audience.

Published annually in the fall, the print-only ASABE Member Roster, available only to ASABE members, remains a popular publication thanks to its ease of use and rich content. At \$140, advertising in the roster is an excellent value.

Within its pages you'll find not only contact information for your fellow ASABE members, but a complete listing of committees, including description and appointments organizational and historical details of the Society, like the Constitution and Bylaws, section officers, directories of past presidents and fellows, and a staff directory.

And don't overlook out other advertising opportunities in *Resource Magazine*, the monthly newsletter email to members, and the Guide to Consultants.

For more information visit www.asabe.org/Advertise

Need to order your 2020-2021 roster? Call 1-800-371-2723 or www.asabe.org/OrderPubs to reserve a copy. \$39 plus postage.

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Irrigation Association Honors Three ASABE Members

ASABE members Brent Mecham, Stephen Smith, and Isaya Kisekka were recently honored by the Irrigation Association (IA) for their work in the irrigation industry. All three are known within ASABE for their activity in the NRES technical community, contributing to standards and other ASABE publications.



Brent Q. Mecham was recipient of the 2020 Industry Achievement Award. Mecham has been part of the irrigation industry for more than 45 years and is considered one of the most respected resources on landscape irrigation in the United States. He recently retired as the IA's industry development director, a position he held since 2007. Mecham was a major part of the success of the certification and education programs, taught irrigation courses for over 20 years, and has been extensively involved in the standard and codes process for irrigation equipment and practices. The IA's Innovator Award

honors individuals who have made significant, tangible contributions to the irrigation industry within the past five years.



Stephen W. Smith, PhD, was awarded IA's 2020's Innovator Award recipient. Smith is being recognized for his work toward the creation and development of the Irrigation Innovation Consortium located in Fort Collins, Colorado. The IIC represents years of work and dedication by Smith to secure the monetary support and public and private participation to see this project from the initial concept to what it is today. Smith's work paved the way for this collaborative project focused on accelerating the development and adoption of water-efficient irrigation technologies and practices. The Excellence in Education Award

recognizes an outstanding educator who is actively teaching or has formerly taught irrigation, water management and/or water conservation.



The 2020 Excellence in Education Award recipient was Isaya Kisekka, PhD, of the University of California, Davis. He is currently an associate professor of agricultural water management and irrigation engineering and associate irrigation engineer. Kisekka was instrumental in reviving the irrigation curriculum at UC Davis. He co-led the creation of three new irrigation courses and the modification of one old course. This effort resulted in creation of an irrigation and water management minor available to students from different majors.

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Journal Impact Factors

We're pleased to announce that impact factors released in June continue to increase for both *Transactions of the ASABE* and *Applied Engineering in Agriculture*.

Please see our journal home pages for more information:

www.asabe.org/Transactions

www.asabe.org/Applied

www.asabe.org/JASH

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Publications Staffing Changes

Patricia Howard is retiring this year after 30 years of service to ASABE. Pat has handled much of the journals' publication process related to *Transactions of the ASABE* and *JASH*. We wish her the best and appreciate her tremendous dedication and quality of work over the years.

Welcome to Julie Wisner, who is training with Pat and will take on her responsibilities.

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Committee Spotlight: MS-60, Unmanned Aerial Systems



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.

Why do we highlight our committees? ASABE is a member-driven organization, and the two-way street of success means that we encourage and count on you to get involved. Your participation strengthens us so that we, in turn, can serve you better.

This month we're shining a light on a Machinery Systems committee, MS-60, Unmanned Aerial Systems.

MS-60 coordinates ASABE activities in matters related to the development and application of unmanned aerial systems (UAS) and associated systems. The committee meets at the ASABE annual meeting and communicates throughout the year via the ASABE Forums. Committee members, along with staff, post updates on the UAV-related activities of other standards developing organizations, coordination efforts by the American National Standards Institute, associated regulation covering UAS topics, and opportunities for learning and employment related to this topic. The committee has discussed standards development but does not have an active project at this time.

Interested in learning more about MS-60? Please contact [Carla VanGilder](#).

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Help Update Dept of Labor's Ag Engineering Occupational Description

The O*NET program, sponsored by the United States Department of Labor, is recruiting ASABE members to help update occupational information for a national database used by millions of employers, workers, educators, and students across the country. This database provides information about the skills, abilities, activities, and work context for about 900 occupations nationwide.

The project requires input from occupational experts, who usually have five or more years of experience with an occupation. They may also have experience as a supervisor or trainer as well as the expertise to rate the occupation on tasks, knowledge areas, work context factors, and work activities. Occupational experts will be asked to complete O*NET questionnaires to provide information on their field of expertise. Their contribution to this program will ensure that the

occupational information provided in the O*NET database is current and accurate.

O*NET is looking for a diverse range of ASABE members to participate in their information collection efforts. Consider participating in this project if you:

- Have at least 5 years of experience with the occupation; this time can include supervising, teaching, or training, if you have at least one year working as an agricultural engineer in your career
- Are currently active in the occupation (practicing, supervising, teaching, or training) and based in the U.S.
- Have a PE license

Find additional information about O*NET and the O*NET Data Collection Program at the following websites: www.onetonline.org and www.onetcenter.org. For additional information, please, view this [document](#).

In order to complete the questionnaire O*NET will need your name, addresses, daytime phone number, and email address. If you're interested in helping, please contact [Jasper Cunningham](#) by August 28.

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