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April 2021

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From the Executive Director



Over her term so far, ASABE President Candi Engler has participated in many events, conferences, and meetings, and that active participation is typical for the current president. However, what is not typical is that these have all been virtual events. When Candi completes her term, she will have attended more activities, by far, than any of her predecessors, all while traveling the fewest number of

miles!



For example, earlier this week, Candi and I participated in the opening sessions of the 70th Annual National Convention of the Philippine Society of Agricultural and Biosystems Engineers (PSABE). Of course, this event was held virtually. The conference theme was "Harnessing Industry 4.0 for Agricultural and Biosystems Engineering."

Candi and I were both impressed by the energy of the participants, the breadth of subjects covered, the student and regional chapter engagement, and the sizable crowd (at least 200) on the Zoom connection. [In the convention stream on Facebook Live](#), an additional 1,500+ participants were interacting and networking! Check out the recorded content. Congratulations to PSABE and President Dennis Tactac for hosting such a successful virtual event.

The pandemic has changed our lives in many ways, including how we meet. As ABEs, we've taken this challenge as an opportunity, and we've found new ways to stay engaged, work together, and pursue our mission. Candi has led by example, and in her latest column in the May/June issue of *Resource*, she reminds us there is still time to join in and [#GetInvolved](#).

Thank you.

Darrin J. Drollinger
Executive Director

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#ASABE21 – Registration Open!

Registration is open for the 2021 Annual International Meeting, and program details are still being added!

Please plan ahead and register early. Yes, thanks to the virtual meeting format, registration will be available at any time throughout the meeting, but the process isn't automatic and you'll benefit from having time to browse the platform in advance and view all of the on-demand videos and posters that will be available to you before the meeting begins on July 12.

Presenters take note!

Avoid being dropped from the program, be sure to register by the May 3 deadline. You can find out what is in store for you this year during AIM at the meeting website, www.asabemeetings.org.

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President-Elect, Trustee Nominees Sought for 2022; Nominating Committee Positions to be Filled

With this year's elections behind us, and new officers prepared to take their positions in July, at the end of the Annual International Meeting, it is time to look ahead to the 2022 leadership ballot. Nominees are being sought for president-elect and three trustee positions. Nominating committee positions will also be filled for a rotation of technical communities and districts, including EOPD, ESH, PAFS, International, District 1, District 3, and District 5.

Members of the Nominating committee have the serious but rewarding task of securing candidates for the Society's annual election of officers, which include the president-elect, board trustees, and members of the Nominating committee itself. The slate they prepare is then presented in January for ballot by the general ("corporate") membership. The

committee comprises representatives from each of the Society's technical and geographic units, as well as the International membership, who currently serve on staggered two-year terms.

Those wishing to put forth nominations are encouraged to submit names and supporting materials to the Nominating committee by July 1. Current committee members are as follows, with the group each represents shown in parentheses: [Maury Salz](#) (chair), [Lisa Wilken](#) (ASE), [Amy Kaleita](#) (EOPD), [Steve Taylor](#) (ES), [Dee Jepsen](#) (ESH), [Paul Weckler](#) (ITSC), [Joe Luck](#) (MS), [Sherry Hunt](#) (NRES), [Morgan Hayes](#) (PAFS), [Deepak Keshwani](#) (PRS), [Sreekala Bajwa](#) (International), [Lara Beal Moody](#) (District 1), [Jeremiah Davis](#) (District 2), [Elizabeth Miller](#) (District 3), [Carolyn M. Jones](#) (District 4), [Nahar Nurun](#) (District 5).

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Journal of the ASABE: Transactions Gets a New Name

Beginning in 2022 our peer-reviewed journal *Transactions of the ASABE* will be renamed to *Journal of the ASABE*.

The Journal Editorial Board considered a number of alternatives and made the selection with the goal of providing a clear reflection of the journal's peer-reviewed content. The new name eliminates any confusion created by the word *transactions*, which some interpret as meaning conference proceedings.

This change maintains the uniqueness of our Society's primary journal in publishing peer-reviewed engineering and scientific articles of importance to the broad field of agricultural and biological engineering.

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Community Editor Positions Open

Nominations are being sought for three journal Community Editor positions on the P-511 Journal Editorial Board. Apply by April 30. See <https://www.asabe.org/CECFN> for description and how to apply.

- Education, Outreach, and Professional Development (EOPD)
- Ergonomics, Safety, and Health (ESH)
- Machinery Systems (MS)

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Changes Announced for Journal Page Charges

The ASABE Journal Editorial Board is implementing a new pricing structure for article processing charges.

Under the new structure, members will receive the first three pages at no charge, pages four to seven are \$100 each, and pages eight and over are \$200 each. For non-members, only the first page has no charge.

The *Journal of Agricultural Safety and Health* charges follow the same structure, but at half the per-page charge due to its smaller page size.

See more details at <https://www.asabe.org/APC>.

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Register Now for "Member Hour" Event

Monday, May 3
1:00-2:00 pm (Eastern)

The last in the spring series of "Member Hours" will take place May 3 and focus on the [Nebraska Tractor Test Lab](#).

The virtual get-togethers are open to ASABE members only, focus on a unique topic, and provide the chance to advance your knowledge and network with like-minded members. Follow the links provided to learn more. Registration is required. Contact [Jasper Cunningham](#) with questions.

[Register](#)

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YPC and ASABE Foundation Host Virtual Wine Tasting

Wednesday, June 9
7:30-9:00 pm (Eastern)

Join the YPC and the ASABE Foundation for a virtual wine tasting! This wine tasting won't just be about exploring the wines, but also an opportunity to hear about the agricultural production of grapes. When you register, you'll receive a five-pack wine sampler. You must be 21 or older to purchase and participate in this event. We will not be able to ship wines to UT, KY, AL, MS, or NH, or Internationally.

Want to join in on this educational presentation, but provide your own beverage? You can still join in on the fun! Fundraising from this event will go towards young professional programming and the Foundation project of funding the normalization of awards for student competitions.

[Register](#)

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Advertise Your Department in "Discover" Issue of *Resource*

The "Discover" special issue of *Resource* magazine will be available in September/October of 2021. University departments can [purchase advertising](#) in this issue by emailing [Sandy Rutter](#). This issue spotlights departments and promotes agricultural and biological engineering to prospective students. Advertisers receive copies for distribution, and we also provide copies upon request for career materials from individuals and teachers.

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ASABE Standards to Present Webinar on International Participation

Tuesday, June 8, 2021
2:30-5:00 pm (Eastern)

The development of international standards is valuable and rewarding work. Make the most of your time spent in meetings by learning from ASABE's experienced leaders. Whether you're a meeting participant or a facilitator, you'll gain insights and confidence in this informative webinar presented by ASABE leaders with deep experience in ISO standards meetings. Attendance is limited, so don't wait to register.

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New Journal Issues Posted

Recently posted to the ASABE Online Technical Library with links to the abstract, full-text, and citation:

Applied Engineering in Agriculture 37(2)
[Table of Contents](#) or visit this journal's [home page](#)

Transactions of the ASABE 64(2)
[Table of Contents](#) or visit this journal's [home page](#)

Journal of Agricultural Safety and Health 27(2)
[Table of Contents](#) or visit this journal's [home page](#)

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Taking the FE or PE Exam? Webinar Offers Support

Wednesday, May 12
1:00 pm (Eastern)

Join the Young Professional Community and Professional Engineers Institute in a kickoff session for those preparing for the FE or PE exam.

The first computer-based PE exam will be in October 2021. We will walk through some study techniques and ASABE exam preparation resources. You'll have an opportunity to talk to past test takers and network with ASABE professional engineers and engineers in training. Bonus! ASABE members that participate in this webinar and show intent to take either the FE or PE exam will be sent a participation gift.

[Register](#)

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Soil Erosion Research Symposium: Plan Now for Puerto Rico



Who isn't looking forward to travel in 2022? And doesn't Puerto Rico in January sound attractive?

The 2022 Soil Erosion Research Symposium is less than one year away! Beautiful and warm Puerto Rico will host this symposium the week of January 9. Authors have been notified of their submission status. Those interested in submitting their paper to the Special Collection have a deadline of June 15, all other papers for proceedings only are due September 15.

Find all of the deadlines, the new paper template and examples, sponsorship opportunities, and more information about

this specialty event [online](#).

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Add Value to Your Published Work: Contribute to an ASABE Special Collection

Publishing in an ASABE [Special Collection](#) is a great way to amp up the value of your journal article. ASABE provides free public access to the full text of the article for more than two years after it is published. Moreover, articles in special collections tend to receive more citations.

Manuscripts are currently being accepted for “Circular Food and Agricultural Systems”; please note the submission deadline of September 30. 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.

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NIFA Invites Input on Farm-of-the-Future Grant Program

The USDA National Institute of Food and Agriculture (NIFA) seeks input to establish a new Farm of the Future competitive grant program. NIFA plans to implement the program by supporting an integrated research and extension project. Stakeholders, customers, and partners are invited to contribute expert opinion on how federal investments can best address current needs and challenges facing farms of the future. Ultimately, this information will guide development of a Request for Applications.

Input may be submitted by:

- Participating in a virtual stakeholder listening session on Thursday, May 6, 3:00-5:00 pm (Eastern). Each participant may speak for up to 3 minutes. Register in advance [online](#).
- Submitting written comments (2-page limit) to: FarmoftheFuture@USDA.gov by May 6, 2021.

NIFA plans to open a website to collect stakeholder input on May 1, 2021. Please plan to provide input to guide development of the new NIFA Farm of the Future competitive grant program as described above.

Questions may be directed to NIFA.FarmOfTheFuture@usda.gov.

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Last Call for 2021 Student Competition Entries; Ethics Contest Deadlines Extended

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.

Note that the deadline for the Ethics Essay and Video competitions has been extended to May 15.

May 1

ASABE Robotics Student Design Competition

May 15

Ethics Essay Competition and Video Challenge

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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Share Your Passions, 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 channels. Take advantage of an appreciative AIM audience to talk about the things that you love and to informally exercise your communication skills.

Participate in one of two categories, the Five-Minute Production Tour or My Research Journey, and share your video by June 15, following the instructions below.

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. Share your video by attaching it to the [participating form](#).

My Research Journey

Are you a grad student? We want to hear about your research experiences! As part of the Graduate Student Social virtual event at AIM, you will be able to share your Research Journey video and connect with fellow graduate students across the world. Attach your video to the [participation form](#). Be sure to keep your video saved locally on your own hardware so you can easily access the file and share it during the Graduate Student Social virtual event. 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

Use compression and other techniques to minimize file size

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

Complete the participation form and file transfer by June 15, 2021

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)

Questions? Contact [Sasi Rajendran](#).

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Kanwar Selected for Jefferson Science Fellowship



ASABE Fellow Ramesh Kanwar, Iowa State University, has been selected for the prestigious 2021-2022 Jefferson Science Fellows Program administered by the National Academy of Sciences.

Charles F. Curtiss Distinguished Professor in Agriculture and Life Sciences in the agricultural and biosystems engineering department, Kanwar will spend one year on assignment at the U.S. Agency for International Development (USAID) contributing his engineering expertise to USAID's Environment Team in the Bureau of Latin America and the Caribbean, Office of Regional Sustainable Development.

Kanwar is a worldwide leader in developing engineering solutions for emerging global environmental problems from agricultural and livestock production systems. His research interests are in the areas of water quality, irrigation, drainage, modeling of hydrologic systems, ecology, environment, climate change, agriculture and animal waste management, food and water security, and sustainable development. He has lent his expertise to international development projects with the World Bank, EU, USAID, NATO and more than 50 foreign universities or governments. His outstanding contributions to his field have been recognized with multiple teaching, mentoring and research awards, including being elected a fellow of the American Society of Agricultural and Biological Engineers (2005) and National Academy of Agricultural Sciences in India and receiving honorary doctorates from three universities.

He has been mentor for 60 visiting professors/scholars, major professor for 30 MS and 31

PhD students, and has published more than 550 papers, including 208 refereed journal articles. Kanwar received a BS in agricultural engineering from Punjab Agricultural University, an MS in irrigation and drainage engineering from G.B. Pant University Agriculture and Technology, and a PhD in water resources and agricultural engineering from Iowa State University.

Kanwar is a 39-year member of ASABE.

Read the [full announcement](#).

Tenured, or similarly ranked, academic scientists, engineers, and physicians from U.S. institutions of higher learning, who are U.S. citizens, are eligible for selection as [Jefferson Science Fellows](#). The next application cycle will open in August.

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Irmak Named Penn State ABE Head



ASABE Fellow Suat Irmak, Harold W. Eberhard Distinguished Professor in the Department of Biological Systems Engineering at the University of Nebraska-Lincoln, has been named head of Penn State's [Department of Agricultural and Biological Engineering](#), effective July 1.

Irmak will succeed ASABE President-Elect Paul Heinemann, who has served as department head since 2010.

"We are fortunate to have attracted someone of Dr. Irmak's caliber to Penn State," said Rick Roush, dean of the [College of Agricultural Sciences](#). "He brings an impressive record of scholarly achievement, a history of accomplishments and accolades within his professional discipline, and a strong commitment to the land-grant mission of research, teaching and extension. The department's students and stakeholders will benefit greatly from his experience and vision."

Inducted as an ASABE Fellow in 2020, Irmak is the recipient of the John Deere Gold Medal, Heerman Sprinkler Irrigation, New Holland Young Researcher, and Young Extension Professional awards. He also has received numerous awards for teaching, educational materials, refereed journal articles and service from various professional and academic organizations.

Irmak is a 23-year member of ASABE.

Read the [full announcement](#).

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In Memoriam—Lawrence "Larry" Gay



ASABE Fellow Lawrence "Larry" Gay, 85, passed away on Monday, April 19, 2021, at Hammond Henry Hospital, Geneseo, Ill.

Gay was born on January 1, 1936, the son of Homer and Vivian (Elliott) Gay, in Rose Hill, Iowa. He married the love of his life, Margie Newport, on August 27, 1955. After graduating from Iowa State University, in 1957, with a degree in agricultural engineering, he joined Deere & Co., where he worked for 35 years, retiring in 1992.

Gay was an avid agriculturist and a favorite author in the ASABE history series. He developed a love for agriculture and a fascination for farm machinery while growing up on the family's Iowa farm. As a long-time collector of farm equipment sales literature and toy tractors, he made an easy transition to a second career, authoring books about farm tractors. In 1995 the Society published his first book, *Farm Tractors, 1975-1995*. In subsequent years he authored [*A Guide to Hart-Parr, Oliver and White Farm Tractors 1901-1996*](#), [*A Guide to Ford, Fordson and New Holland Farm Tractors 1907-1999*](#), and [*Farm Tractors 1995-2005*](#).

Gay was inducted as an ASABE Fellow in 2010 and was a 64-year member of the Society.

Private family services were arranged.

[Full obituary](#)

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In Memoriam—James Gilley



ASABE Fellow James R. Gilley passed away in Ft. Collins, Colo., on April 7, 2021, surrounded by his wife and daughters.

Gilley was born to Luther and Veatura Gilley, on March 19, 1944, in Pueblo, Colo. He graduated from Fowler High School and received his BS and MS degrees in agricultural engineering from Colorado State University. He continued his education at the University of Minnesota, where he received his PhD, also in agricultural engineering. Gilley joined the faculty at the University of Nebraska as an assistant professor in 1974, where he taught for 14 years, eventually attaining the rank of full professor. Following his tenure at Nebraska he served as head of the agricultural and biosystems engineering department at Iowa State University. In 1993, he accepted the position as department head at Texas A&M University, remaining there until his retirement in 2014. Following his retirement, he and his high school sweetheart and wife, Karen, moved to Windsor, Colo.

Inducted as a Fellow in 1993, Gilley was active in ASABE for many years and was a lifetime member. His career was devoted to academic advancement and the education of students. He received the 1999 Massey-Ferguson Educational Gold Medal Award to honor his dedication to the spirit of learning and teaching in the field of agricultural engineering. He proudly mentored numerous engineers and scientists during his distinguished career, and he made significant contributions to the engineering profession. In 2011, He and Karen established the ASABE James R. and Karen A. Gilley Academic Leadership Award to honor outstanding academic leadership for current and future generations.

Gilley was known internationally as an irrigation engineering expert and traveled around the world, collaborating with others to improve irrigation efficiency and delivery. From Africa, Asia, and Oceania to Europe and his favorite country, Belgium, he loved meeting engineers and scientists from different countries and maintained these friendships across the globe for more than 45 years.

Gilley was a 57-year member of the Society.

Memorials may be made to the American Society of Agricultural and Biological Engineers Foundation, as well as the Alzheimer's Association.

[Full obituary](#)

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In Memoriam—Larry Wells



ASABE Fellow Larry Wells passed away Sunday, March 7, 2021.

Born July 28, 1947, in Falmouth, Ky., Wells grew up on a farm, where he experienced both the freedom and confinement of farm life and developed a lifelong interest in agricultural mechanization.

He entered the University of Kentucky in 1965, majoring in agricultural engineering. He was also a member of the 1965-66 University of Kentucky freshman basketball team. He graduated with honors in 1969 and in 1971 earned a master's degree. After obtaining a PhD in biological and agricultural engineering from North Carolina State University he returned to the University of Kentucky as a faculty member.

Wells began his career in teaching and research associated with the design and development of agricultural machinery and made valuable contributions related to tobacco mechanization, mine reclamation, alleviating soil compaction and soil/machine interactions. He contributed to many departmental courses (especially in the machinery automation area), served on numerous departmental and college committees, directed the research of graduate students, and actively participated in ASABE. In 1987, he was awarded the Sunkist Young Designer of the Year, and in 2014 he was inducted as an ASABE Fellow. Wells authored over fifty scholarly articles, was named on three U.S. patents, made numerous presentations of his work in the U.S. and abroad, served on numerous university committees, and received over \$3 million in research grants. After retiring in 2012, he continued active research work as an emeritus professor.

Wells was also a member of the Kentucky National Guard and U.S. Army Reserves.

Memorials can be made toward the Larry Wells scholarship at the University of Kentucky Biosystems & Agricultural Engineering Department.

[Full obituary](#)

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Standards Updates

Proposed Projects

- X660, Procedure for Evaluating the Distribution Uniformity for Large Granular Broadcast Applicators
- X268.7, Terrace Systems

Press Releases

- March 30, 2021, ASABE Revises Standard on Animal Mortality Composting
- March 30, 2021, ASABE to Develop New Testing Standards for Large Dry-Fertilizer Applicators

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