June 30, 2020

From the Executive Director

We have received overwhelmingly positive feedback on our letter strongly denouncing acts of racism and violence. A few have questioned the role of a professional society in addressing issues of racism, and I understand that.
However, with the adoption of a related policy statement some years ago, ASABE already made a declaration of support for diversity and inclusion; the letter is a timely amplification of that statement. I’m optimistic ASABE has the will to achieve significant and lasting change for more inclusion, diversity, equity and access within the organization.

It’s almost time for the virtual 2020 Annual International Meeting and if you haven’t already, I encourage you to register soon and make plans to participate. Be sure to explore the agenda listing all the committees, sessions, and special events. We are thrilled to be kicking off AIM with a live keynote address by John Stone titled “Digital Agriculture: New Answers to Old Problems.” John previously headed up John Deere’s Intelligent Solutions Group and has been recently named president of Deere’s Worldwide Construction & Forestry and Power Systems.

Thank you to our generous AIM sponsors and donors. This support will enable us to provide a world-class virtual event. CLAAS is the Title sponsor, John Deere is the Green sponsor and CNH Industrial is the Foundation event sponsor. In addition, a number of individual members have donated money to help cover the AIM registration costs for those in economic need. Thank you to those who have given and we welcome others to do the same. If the pandemic has left you in need, I urge you to apply for one of the limited AIM scholarships by emailing AIMscholarship@asabe.org

Lastly, I always look forward to an enjoyable time at the AIM Foundation dinner. This year’s virtual Foundation event will deliver on fun and be a free presentation taking place over a lunch break (just bring your own food). Thanks to CNH Industrial’s sponsorship, all the registered students will receive a $15 electronic voucher so they can have food delivered. Featured speaker Joe Starita is an accomplished author and Native American historian. His book titled *I Am A Man* tells the story of how Chief Standing Bear successfully won Constitutional protections to be recognized as a “person” with the same rights and opportunities as a white citizen. A powerful message we are still reflecting on today.

Darrin J. Drollinger
Executive Director

ASABE Welcomes Deere President John Stone as AIM Keynoter

ASABE will welcome John Stone, newly elected president at Deere & Company, as the keynote presenter for the 2020 ASABE Annual International Meeting. The address will take place Monday, July 13, at 8 am (US Eastern time) and will be accessible to those registered for the virtual event.

In his ASABE address, “Digital Agriculture: New Answers to Old Problems,” Stone will discuss a range of complex and difficult problems facing the global agriculture industry and introduce the most promising new technologies that are bringing forth solutions that were not even possible just a few years ago. From cloud computing to artificial intelligence, together these innovations hold wondrous potential to solve many of the most complex and long-standing challenges that have existed in agriculture.
Following the keynote, Stone will be joined by panelists, including Shannon Ferrell, Oklahoma State, and Scott Shearer, Ohio State, for follow-on discussion, and session attendees will have opportunity to ask questions of the panel participants.

Stone was recently named president of Deere’s Worldwide Construction & Forestry and Power Systems, effective July 1.

### Annual Report Now Available

The 2019-2020 ASABE Annual Report is now available online.

The report provides a snapshot of the Society’s key activities, initiatives, and financial health over the past year.

### New for #ASABE2020: No-Cost Foundation Luncheon Features Award-Winning History Author

We couldn't go to Nebraska for #ASABE2020, so the ASABE Foundation is bringing a bit of Nebraska to us.

Take a break from the technical content of the annual meeting to enjoy what promises to be a fascinating and informative look at Chief Standing Bear and the First Peoples of the Great Plains with Pulitzer-nominated author and University of Nebraska professor Joe Starita. The event takes place Tuesday, July 14, at noon (EST).

Starita has written numerous books on Native Americans, including *I Am A Man: Chief Standing Bear's Journey for Justice*, which tells the compelling story of a groundbreaking legal decision in which a federal judge in Omaha declared—for the first time in the nation's 103-year history—that an Indian "is a person" within the meaning of the law and entitled to the same Constitutional protections as white citizens. Starita has given more than 150 talks on Chief Standing Bear, the legal significance of the landmark legal ruling for Native people, and why this powerful story still resonates in the 21st century.

This luncheon event is free to all annual meeting attendees, thanks to generous sponsorship from CNH, but registration is required. See [www.asabemeetings.org](http://www.asabemeetings.org) for full details as they are available.

### . . . and for Students: Some Fun, Games, and Cash Prizes!
As if the Foundation lunchtime presentation wouldn't be draw enough on its own merits, CNH Industrial is making it even more valuable for ASABE students to attend.

Students who attend the Foundation event will receive a $15 electronic voucher for Door Dash, UberEats, or GrubHub. Choice of vendor will be offered during registration for the luncheon.

And to add a bit of fun to the event, CNH is also inviting students to participate in the Virtual Background competition for the chance to win a cash prize of $100. Your challenge is to create a background that best represents CNH Industrial's mission, values, or products. This is your opportunity to discover what makes the company extraordinary and to show off your creativity and talent for virtual backgrounds. A panel of remote CNH Industrial judges will assess nominations based on originality, clarity, and composition.

Students: Watch your email for complete details on registering for the Foundation event, lunch voucher, and Virtual Background contest.

Many thanks to CNH Industrial for their continued support of the ASABE Foundation and ASABE student members.

ASABE Journals Name Superior Award Winners for 2020

The articles published by ASABE in its peer-reviewed journals during 2019 are eligible for 2020 Superior Paper Awards. Each technical community selects up to 5% of the papers published by their community for paper awards based on the articles' timeliness, fundamental value, originality, and benefits to society, as well as for the quality of writing. Winning paper award authors are presented during the Annual International Meeting. Congratulations to this year's award winners!

**Ergonomics, Safety, and Health**


**Information Technology, Sensors, and Control Systems**


**Machinery Systems**


### Natural Resources and Environmental Systems


### Plant, Animal, and Facility Systems


### Processing Systems


Editors, Reviewers Recognized for Outstanding Contributions for 2020

Back to top
The high quality of ASABE'S peer-reviewed journals could not be maintained without reviewers and editors willing to devote time and expertise toward ensuring manuscripts meet rigorous editorial and scientific standards.

**Outstanding Reviewers**

Reviewers spend hours evaluating author manuscripts and making suggestions for improvements. The reviewer recognition program developed by P-511, Journal Editorial Board, honors a number of outstanding reviewers each year. For the 2019 publication year, more than 900 reviewers participated in the review process. During the year, associate editors rank reviewer timeliness and review quality. Each technical community then selects an allotted number of reviewers based on the number of articles published. Thank you to all of our reviewers, and a special congratulations to this year's Outstanding Reviewer honorees:

Oluwatosin J. Oginni  
Farzaneh Khorsandi  
Joseph S. Dvorak  
Long He  
Yanbo Huang  
Yuzhen Lu  
Long He  
Wesley Clint Hoffmann  
Allen E. Russell  
Alvin Ray Womac  
Daren Harmel  
Sushil Kumar Himanshu  
Kritika Kothari  
Sushant Mehan  
Thomas J. Trout  
Lilong Chai  
April B. Leytem  
C. Alan Rotz  
Marvin R. Paulsen  
Soraya Shafiekhani  
Benjamin M. Plumier

**Outstanding Associate Editors**

Associate editors spend hours working closely with reviewers, authors, and editors during the peer review process for each manuscript. The associate editor recognition program developed by P-511 honors outstanding associate editors each year. Editors of individual technical communities first identify nominees from more than 140 associate editors, selecting on the basis of workload, timeliness, and review quality over the previous three years. The selection committee then applies the same criteria plus the editor's justifications for each nominee to make the final selection of the award recipients. ASABE extends its gratitude to each of our 140-plus editors, and we offer a virtual round of applause to the following individuals, who were selected for Outstanding Associate Editor recognition this year:

Srinivasulu Ale  
Claire Baffaut  
Arend-Jan Both  
Reza Ehsani  
John P. Fulton  
Marvin R. Paulsen  
Sanjay B. Shah  
Joe Dvorak

**2020 YPC Fun Run? Yes! #virtualypcfunrun2020**

Even though the 2020 annual meeting is virtual this year, we hope you'll plan to join us in your hometown for an exciting 5k run or 1-mile walk—scheduled at your
Choose your own route and, if you’re willing, take photos or videos along the way and submit your finish time via our event platform, Challenge Hound. If you have an account with Strava, the data will be recorded automatically. We would love to see your running selfies on social media! Tag @ASABEYPC and use #virtualypcfunrun2020!

All Fun Run entry fees will be donated to American Food Bank initiatives. We look forward to having you join us for fun and fitness! A donation of $20 is suggested for the charity, or designate another amount when you register.

Registration is required.

**ITSC Community Paper Award Winners for 2020**

The Information Technology, Sensors, and Controls Technical Community Meeting Paper Award competition was established in 1999 to encourage high-quality conference papers. The ITSC judges select the top papers from the community that will be presented at the annual international meeting each year.

The following papers and their authors were selected for recognition in 2020.


“A New Spectral Pretreatment Method for Detecting Soluble Solids Content of Pears using Vis/NIR Spectroscopy,” authored by Li, Peng, Li, Yang, and Qiao.

“Blueberry Harvestability Trait Extraction from 2D Images and 3D Point Clouds Based on Deep Learning and Photogrammetric Reconstruction,” authored by Ni, Li, and Jiang.

**PE Exam Update**

The cancellation of the April 2020 paper-and-pencil exam administration impacted many members. To accommodate these examinees, the ABE PE Exam will be held Friday, October 23, 2020. Registration for the October 2020 paper-and-pencil exam administration opened on June 1 and will close at 3:00 p.m. eastern time on August 20. Visit [www.ncees.org](http://www.ncees.org) and find ASABE resources on the PE webpage.

**Presenting at #ASABE2020? Enjoy a Discount for Publishing in Our Journals**

Convert your AIM paper to a peer-reviewed journal article and receive a publishing discount of $100 or 10%, if over ten pages, if you submit it by October 1, 2020. 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 guidelines](http://www.ncees.org).
2020 Standards Collection Now Available

The 2020 ASABE Standards collection is now available for purchase on CD and flash card. The 2020 collection contains 281 current ASAE/ASABE standards, engineering practices, and data applicable to agricultural equipment and systems, irrigation and drainage, structures, turf and landscape equipment, food engineering, and electric power applications.

The collection also includes the adoptions of international standards for which ASABE documents were not used as the basis. As always, you'll also find keyword and numerical standards indices, as well as a list of active standards development projects.

The CD (order number CD2020) and flash card (order number FC2020) are available for $480 to members and $680 to non-members. Follow online instructions to order the 2020 ASABE standards collection.

Recent Standards Activities

Proposed Projects

- X604.3, Safety for Power Take-off (PTO), PTO Drive Shafts, and Power Input Connection (PIC) for Agricultural Field Equipment

Revised Standards

- NSI/ASAE S436.2, Field Test Procedure for Determining Irrigation Water Distribution Uniformity of Center Pivot and Lateral Move Systems

Press Releases

- June 10, 2020 ASABE to Serve as Administrator of International Standards Committee
- June 17, 2020 ASABE Revises Irrigation Standard for Center Pivot and Lateral Move Systems

Committee Highlight: MS-23/19

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.

Committee Highlight: MS-23/19, Ag Electronics & US TAG for ISO TC 23/SC 19

ASABE technical committees cover a broad range of topics. One of these in the Machinery Systems community, MS-23/19, focuses on the broad subject of agricultural electrics. The committee focus is to coordinate U.S. input on ISO standards within ISO Technical Committee 23 for this distinct subcommittee. Currently ISO/TC 23/SC 19 maintains 41 published standards and
has 16 standards under development or revision. The scope of the committee covers everything from animal identification to ISOBUS technologies to higher-voltage mobile equipment. At their most recent meeting, the committee approved a new statement of scope, shown below, in preparation for some internal restructuring aimed at better project coordination. The work of ISO/TC 23/SC 19 is coordinated internationally by Germany.

If you are interested in learning more, please contact Jean Walsh.

*New TC 23/SC 19 scope, approved unanimously:*

Standardization of all work related to electrical and electronics, including electronic identification, of tractors, machines, systems, implements and their equipment used in agriculture and forestry as well as gardening, landscaping, irrigation and other related areas in which such equipment is used, including electronic/ electrical aspects and including also electronic identification of all categories of animals. This also includes data management, machine to machine, machine to cloud and related technologies and interfaces.

Journal Article Tips

Planning to submit a paper for publication in one of our journals? Avoid delays—or possible immediate rejection—by ensuring that:

- in the references list, the author names are formatted correctly (Lastname, Initials)
- the reference list is accurate and includes a DOI, where possible (copy references into free check references utility)
- the English is clear, correct, and consistent (for translation assistance, see English-Language editing)
- all authors are listed in ScholarOne at time of submission, and
- the submission includes highlights up to 100 characters long, excluding spaces

And for more tips and tools: Get the latest journal manuscript template and review the latest Guide for Authors and journal-specific instructions in the ASABE JournalTemplate.

See our web page for authors for more details.

New! Publications Web Pages Provide Valuable Information

Visit our new Publications web pages, try a referencing utility, or easily share an article.

- Most Highly Cited articles
- Special Collections Organizer assistance if you wish to initiate a collection. Convert your AIM session into a special collection.
- References Validator find the DOI and validate your full references list
- Share a journal article with the new social media links on the abstract page

- Call for papers for special collections

In Memoriam - James R. Fischer
James R. Fischer passed away June 19, 2020, in Washington, Mo.

Fischer was born Feb. 23, 1945, and was raised on the family farm outside Washington. After three years of studying at a Franciscan seminary in Westmont, Ill., he discerned priesthood was not his vocation; he went on to earn his bachelor's, master's, and PhD from the University of Missouri–Columbia in agricultural engineering.

Fischer's professional career spanned four decades of service in the federal government and land-grant university system. His "energized" philosophy led to him being a mentor to many colleagues and graduate students, and he was a recognized leader in renewable energy. He led departments, colleges, and Extension systems at the University of Missouri, Michigan State University, and Clemson University. He also managed research programs for the US Department of Agriculture and was on the Board of Directors for the US Department of Energy.

Fischer volunteered on advisory boards for colleges and not-for-profits, including the Missouri Energy Initiative, The Farm Foundation, and the University of Missouri College of Engineering Foundation.

Fischer was a 49-year member of the Society.

Full obituary

In Memoriam - Otto Kunze

Otto Robert Kunze, PhD, 95, of Warda, Texas, passed away on Friday, June 12, 2020.

Kunze was born in Warda on May 27, 1925, the son of John Paul and Hermine Amanda (Moerbe) Kunze. Kunze attended Texas A&M University, where he earned a BS in agricultural engineering, in 1950. He went on to earn a master's degree from Iowa State University and a PhD from Michigan State University, also in agricultural engineering. His doctoral research was in rice technology. He became a professor at TAMU, where he taught and did research for 35 years. He taught a practical electricity course which his students loved. His research garnered worldwide attention and was recognized by ASABE as an "Outstanding Agriculture Engineering Achievement of the 20th Century." His defining statement, "The rice grain fissures (cracks) not from drying during the day but from moisture readsorption during the night." He served as a rice process consultant in India, China, Hungary, Czechoslovakia, Germany, Japan, Philippines, Taiwan, Thailand, and Puerto Rico. He contributed chapters to seven books and more than 100 journal articles. He retired to his family farm in central Texas where he gardened, raised cattle, pursued his rice research, and continued to write.

After graduating from high school and prior to attending TAMU, he served in the US Army infantry during World War II, fighting in Patton’s 3rd Army, 76th Infantry Division. He received two bronze stars for his service. His unit received a Presidential Citation. He was proud to wear his Infantryman Rifle Badge. One of his passions was to write a book of his military memoirs in Germany in WWII. This culminated last year with the publication of his memoir, Kunze Up Front!

Kunze was a 70-year ASABE member and Fellow of the Society.

Full obituary
In Memoriam - W. Jerry Matlock


Matlock was born in Champaign, Ill. His family moved to Tucson when he was three. Following high school graduation, in 1946, he enlisted in the US. Coast Guard, assigned to the Coast Guard Training Station in Groton Connecticut.

He later graduated from Mitchell College in New London, Conn., then attended the University of Arizona, earning BS, MS and PhD degrees.

Matlock was a professor emeritus at the University of Arizona, where he worked on programs in Brazil and Ghana and was named director of International Programs. He also worked as an engineering consultant for the city of Tucson Department of Water Resources, Gila Valley, and Franklin Valley irrigation districts. He was the founder of Desert Agricultural & Technology Systems, Inc, Arizona-Sonora Feld School, El Cazador Training Center and the Santa Cruz Institute, Inc., where he trained students from more than 50 countries.

A Celebration of Life will be held at a later date.

Matlock was a 53-year member of ASABE.

Full obituary

In Memoriam - William J. Roberts

William J. Roberts passed away on May 21, 2020, at the age of 88. Roberts was born April 7, 1932, on his family’s farm in New Monmouth, N.J. He graduated from Leonardo High School in 1949 and earned his BS and MS degrees in agricultural engineering at Rutgers University.

After completing ROTC, he served his country from September 1953 to July 1955 in the Far East Command in Japan as a First Lieutenant. He then taught at Cook College (formerly College of Agriculture and Environmental Science), Rutgers University, where he worked as an extension specialist in the Department of Agricultural Engineering (now Bioresource Engineering). He rose through the ranks, achieving distinguished professor status, and served as department chair for 23 years, retiring in 1999 after a distinguished 41-year career.

Early in his career, Roberts invented the air-inflated, double-layer polyethylene film system for covering the roof of a greenhouse. This practical innovation revolutionized the greenhouse industry by enhancing the structural integrity and reducing heat loss compared to a single-layer covering system. In 2004, the site of the original greenhouse at Rutgers University was designated as ASABE’s 44th National Historic Landmark. Roberts received various other honors, including the Distinguished Service in Agriculture award from the NJ Farm Bureau and the Gold Medallion award from the NJ Agricultural Society. He was elected Fellow by ASABE in 1983.

Roberts was an ASABE Fellow and 64-year member.

Full obituary