



Inside ASABE

News for and about ASABE members

January 31, 2019

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From the Executive Director



Farm Foundation [here](#).

The Farm Foundation is an impressive 85-year-old organization that brings together thought leaders in agriculture. I have long had familiarity with them, but not the opportunity to attend a meeting and roundtable discussion until recently. Their scope aligns perfectly with ASABE's: "We are driven to convene great minds and influencers in and around feed, fiber, food, and energy to tackle the issues of tomorrow with evidence-based information today." I encourage you to learn more about the

Farm Foundation [here](#).

The winter meeting took place in January in San Francisco and was attended by more than 200. The highlight of the meeting for me was the opportunity to spend time in Silicon Valley and meet firsthand with a number of the companies in agriculture being fueled by this unique venture capital region. The southern San Francisco Bay area is of course the starting place for Apple, Google, Facebook, and many other tech companies, but I had not fully grasped how huge the current interest is in agriculture. Billions of dollars are flowing into start-ups looking to successfully launch the next disruptive technology for food and agriculture.

I learned that for every 1,000 start-ups roughly five or so will go on to be successful. And very few become unicorns, which is a market valuation in excess of \$1 billion. It was intriguing to tour three companies in various stages of their venture capital (VC) life. [Trace Genomics](#) is in the early VC steps and offers

WELCOME
New
Members!

December
2018

Click to see who's
joined
your network of
colleagues

farmers a DNA profile of their soil's microbes to better manage growing conditions. [Just, Inc.](#) has already launched several commercially successful products, such as a plant-based egg. They are developing a series of [cultured meats](#), which they plan to put on the market soon. Our last stop was the corporate headquarters for [Granular](#), in the heart of the financial district. Granular's tagline is: "Software and data science so growers can build and sustain stronger businesses." Granular completed its VC life when it was purchased in 2017 by Dupont Pioneer and now is an independent subsidiary of Corteva.

Will one of these companies, or the many others "in the valley," become an "Uber of agriculture"? I can't say, but what I can tell you is it's an exciting time for agriculture!

Darrin J. Drollinger
Executive Director

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Election Reminder - Check Your Email and Vote Now!

Choose your Society leadership! Corporate members were sent an electronic letter on January 9 with instructions from Intelliscan, along with a secure link to the balloting website. If you haven't voted, check for your email message, click on the link, and vote. It's that simple! Not seeing the email? Please check your Junk file.

Thanks to those who have already voted! Your vote validates the importance and worthiness of the work performed by these volunteer candidates, for you personally, and for ASABE.

Contact Joann McQuone by [email](#) or by phone (269/932-7022) with any questions or comments you may have about the process.

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Renew Now to Avoid Member Service Interruption

We all know life gets hectic with work and personal demands, so why not take a few minutes now to renew your membership? You can pay in one of the following ways: online with a credit card by logging into the member-only page on the ASABE website and clicking the "Renew Now" link; on the phone by calling 800/371-2723, or 269/932-7005; by faxing your invoice to 269/4293852; or by returning your invoice in the mail. ASABE is made stronger by your continued membership.

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Your Foundation Donations Make a Difference - Thanks to Our Donors

Your donations brought in more than \$112,000 to the ASABE Foundation in 2018. Gifts to the Foundation support high-impact outreach initiatives: Scholarship to help students complete their engineering education, grants that help underserved populations across the globe, and programs to honor the accomplishments of agricultural and biological engineers across many technical interest areas.

Your gifts matter—thank you! See the complete list of donors [here](#).

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2018-2019 ASABE Member Roster is Available

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

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

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Virtual Career Fair Open to ASABE Members

Please join us for a Virtual Career Fair on March 6. Employers will be available to recruit science and engineering professionals live online. This recruiting event will be held from 11:00 am to 3:00 pm eastern time.

Find registration and more information [here](#).

Upcoming ASABE CSBE/SCGAB Section Meetings and Other Events

CA/NV
Feb 13

Oklahoma
Feb 22

Minnesota
Mar 1

SE Student Rally
Apr 5

Alabama
Apr 5

Louisiana
May 10

NABEC
June 16

[Click
for details](#)



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AE50 Awards to Be Presented at AETC 2019



The recently announced **AE50 Award winners** will be recognized at the 2019 Agricultural Engineering Technology Conference next month, in Louisville. Each year AE50 awards honor companies offering the best engineered products for agricultural, food, biological, and related systems. These companies continue to push the envelope of new equipment design through innovation. Join us at the AE50 luncheon, February 12, at 12:30 pm. Look for the AE50 showcases, which will follow.

The AE50 products featured in these sessions were new to the marketplace in 2018, and all have the potential for a broad impact in their area of industry. This is an excellent opportunity to learn of new features incorporated into these products and share a portion of their journey to the marketplace. The session is open to all and will feature presentations on a sampling of those products receiving 2019 AE50 awards.

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ASABE Peer-Reviewed Journals - Order Your Print Subscription Today!

Member and non-member pricing and ordering information is available at <https://www.asabe.org/OrderPeriodicals>.

Transactions of the ASABE

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

Applied Engineering in Agriculture

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

Journal of Agricultural Safety and Health

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

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ASABE Leads US Efforts in ISO/TC-293 Activities



Gary Huddleston, AFIA, talks to Milling & Grain about the US involvement in ISO standards for feed machinery.

ASABE members and staff have been active in recent months representing US interests in ISO standards for feed machinery.

In November, members and staff attended EuroTier in Hannover, Germany, where they promoted awareness of the feed machinery standards. The group were members of the US Technical Advisory Group (US TAG) for ISO/TC-293, the technical committee charged with representing the American feed machinery industry's



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interests in ISO standards development. Participating were Gary Huddleston, of the American Feed Industry Association; Scott Cedarquist, ASABE; Padraic Sweeney, of the US Department of Commerce; and Dirk Maier, of Iowa State University. They met with more than 30 European feed machinery manufacturers on the show floor, encouraging their engagement in ISO/TC-293's work.

EuroTier is the leading international platform for innovation and strategies in animal production. Nearly 2,600 exhibitors from 63 countries presented their innovations and concepts for agricultural practices worldwide. A total of 155,000 visitors attended from more than 130 countries, making EuroTier the leading international trade fair for animal production for farmers and farming experts.

Earlier this month, ISO/TC-293 recently held a plenary meeting, in Winterthur, Switzerland, Jan. 15 and 16. Nine US delegates attended, including Huddleston, Cedarquist, and ASABE staff members Li Wang and Jean Walsh. Significant progress was made in narrowing the number of proposed standards projects from seventeen to three, one each for hygiene, terminology, and safety.

In 2014, China, one of the top producers of feed machinery and animal feed, initiated the work to develop standards specific to stationary feed machinery. The response of the international community was mixed at the time, and the US voted against the initiative, reflecting a lack of perceived need among US manufacturers for feed machinery standards. However, there was enough support to push the proposal ahead, and the US has become involved to ensure outcomes do not hinder the sales of US machinery internationally.

Travel to both EuroTier and Switzerland is being partially funded by a Market Development Cooperator Program grant through the US Department of Commerce. The grant was awarded to ASABE and AFIA to support standards development to protect US interests in international trade in the area of feed machinery. ASABE is the administrator of the US TAG.

For more information, visit the [ISO/TC 293 Feed Machinery](#) website. To get involved with the US TAG, contact [Scott Cedarquist](#) or [Gary Huddleston](#).

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ASABE Technical Library - One of Your Most Valuable Member Benefits

Want to stay up to date on the latest research, technology, and best practices? Of course, you do. And that's what makes the Technical Library an indispensable benefit of membership.

Take note of the following to make the most of your access:

- Check out www.asabe.org/TechnicalLibraryHelp on how to use Google to search the technical library.
- Member credits for the Technical Library are being restocked for 2019. Your annual membership in ASABE provides you with credits for five standards and 100 other full downloads from elibrary.asabe.org.
- The DOI number is the best way to share and link to an article in our library. If ASABE were to change web servers, the DOI will continue to point to the new location. For example, the URL <https://doi.org/10.13031/trans.59.11347> will redirect users to the current location of the article in our library.

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2019 Student Awards and Competitions - Entry Dates

ASABE hosts a variety of student competitions for a wide range of interests. Visit the [ASABE Student Awards and Competitions page](#) for more details and entry instructions for each competition.

Research, Design, and Honor Awards

March 15

Boyd-Scott Graduate Research Award

April 15

Agricultural Robotics Student Design Competition

April 20

Student Honor Award

May 15

K.K. Barnes Student Paper Competition

G.B. Gunlogson Environmental "Open" Design Competition

AGCO National Student Design Competition

AIM Student Oral/Poster Presentation Competition

All students who submitted an abstract to present at the 2019 AIM will automatically be contacted to participate in this competition—keep an eye on your email for more details!

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Standards Development Award - Nominations Due March 15

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

For further information is available [online](#), or contact [Carla VanGilder](#), 269/932-7015.

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2019 Undergraduate Scholarships

March 15 is the deadline to apply for ASABE scholarships. Follow the links for details on eligibility information and entry forms.

Undergraduate Students

[William J. Adams, Jr. and Marijane E. Adams Scholarship](#) - \$1,500
[ASABE Foundation Engineering Scholarship](#) - \$1,500

PhD Students

[John C. Nye Graduate Fellowship](#) - \$1,500

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AIM 2019 - Call for Papers, Registration Now Open



**ASABE 2019 Annual
International Meeting**
Marriott Copley Place, Boston
July 7-10, 2019
#ASABEaim

Registration is also open! Bookmark www.asabemeetings.org for all information on registration and accommodation as well as the call for abstract sessions and instructions. Details on the agenda, optional events and tours will be coming soon.

Notice to Authors: If you submitted an abstract, be sure to watch for the email notification to come from the session organizers regarding acceptance. The submitting author is the only one that will receive this notice so be sure that you share with your co-authors the information. Alternatively, co-authors can check with their submitting author to find out the status. Author notifications are expected to be made by February 15. The submission site reopens for final edits, paper upload, and confirming the presenting author on February 17. The presenting author will be responsible for securing their AIM registration before May 1 to confirm their participation and remain in the final program. If you have questions, please contact [Jessica Bell](#).

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AETC 2019 - Make Plans to Attend!

2019 Agricultural Equipment Technology Conference

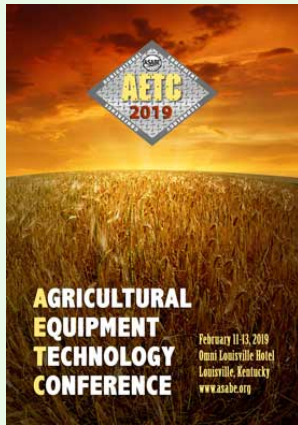
February 11-13

Omni Louisville Hotel, Louisville, Kentucky

There is still time to register at discounted rates for the 2019 AETC, but advanced online registration discounts expire today, January 31. Visit www.asabe.org/AETC2019 for information on how to register, the conference agenda, accommodations, and more.

On Monday, we'll hear from our keynote speaker, Michael Gunderson, professor and director at Purdue University's Center for Food and Agricultural Business.

Join us for our 23rd AETC at the Omni Louisville Hotel for great opportunities for discussion, learning, and encouraging growth in the Society.



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ASABE Standards Becoming an Integral Part of Municipal Codes Globally

As voluntary consensus documents, ASABE standards are increasingly being referenced in various codes both domestically and across the globe.

The Philippine government, in collaboration with the Philippine private sector, is reviewing and updating the Philippine Building Code and agricultural engineering-related codes. The Philippine Society of Agricultural and Biosystems Engineers (PSABE) has been provided copies of a number of ASABE standards for use in this review process, and Aldrin Badua, PSABE president, indicates that many will likely be referenced as part of the review process.

Domestically, we have also seen recent code activity related to ASABE standards. Andy Williams of the National Frame Builders Association and also an observing member of our PAFS-20, Structures Group, has aligned with ASABE regarding proposals to update references to three ASABE standards that are currently included in the Florida Building Code. Current references to these standards in the International Building Code will also be updated. In addition, a submission for inclusion of S618, Post Frame Building System Nomenclature, is also being planned.

For additional information on these activities please contact [Walter Brace](#).

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Davis Named Poultry Center Director



Auburn University biosystems engineer Jeremiah Davis has assumed duties as director of the Auburn-based National Poultry Technology Center (NPTC). Davis had served as associate director of the research and outreach center since joining the Auburn faculty in 2015 and succeeds Jim Donald, who retired Dec. 31 as professor emeritus and NPTC director emeritus.

In announcing Davis's selection to the post, College of Agriculture Dean Paul Patterson said poultry producers and the entire poultry industry can expect a seamless transition. "The NPTC serves a vital role for the poultry industry at the state, regional and national levels in carrying out its mission to improve bottom-line profitability of the live production sector," he said. "I believe Dr. Davis's impressive research background and his success as associate director make him an excellent fit for this role."

Davis is a 21-year member of ASABE.

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In Memoriam - Gustavo Morales

Gustavo Morales graduated from Presidio (New Mexico) High School in 1952, was Army Airborne through 1956, graduated from NMSU in agricultural engineering in



1961, was a life member of the NMSU Alumni Association, and was also a life member of ASABE. He was a civil servant who worked for Farmers Home Administration, and he farmed near Estancia N.M. Through his engineering and administrative work, many communities in Arizona and New Mexico gained roads, sewer, water, and other infrastructure. He was frequently commended for his work.

Morales had a brown eye and a green eye. Even when he lost the use of his brown eye, he saw the visible and invisible world with the clarity few people have. He continued his everyday life, adapting to life and continuing his gardening, carpentry, work on the '57 Chevy, loving his wife of 63 years, Frances, his children (Alfonso, Adolfo, Alma) and their spouses (Manuela, Lana, Aric) and his grandkids (Cruz, Mattira, Mitchell, Kailey, Marcus, Olivia, Natalie, Nicole, Carl), and being the popular man he was his entire life, a life of simply doing his best, supporting others, enjoying and participating in local events like parades and festivals, and, most important, exemplifying gospel love.

He also saw what people did not see: He saw the consequences of poor political decisions, he saw the consequences of poor human decisions. And he wrote letters to politicians, he did what he could to make a difference in his home, in his community, and for this country.

In lieu of flowers the family is asking for donations to the [American Heart Association](#) in honor of his life.

Morales was a 57-year member of ASABE.

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In Memoriam - James A. Moore



ASABE Fellow James Allan Moore, 79, of Corvallis, Ore. died on Thursday, January 17, 2019.

Moore was born March 11, 1939 in Fresno, Calif., to E. Dale and Anne Marie (Golus) Moore. He married his high school sweetheart, Janet Rae (Robles), on December 19, 1960, and they moved to San Luis Obispo, where he completed his BS in agricultural engineering from California State Polytechnic College in 1962. He continued on to the University of Arizona for his master's degree.

Moore began his career specializing in environmental quality and ended with constructed wetlands. In 1964 he took his first professional position as a junior research engineer at the University of California, Davis, agricultural engineering department. In 1968, he joined the agricultural engineering department at the University of Minnesota, where he completed his PhD in 1975 and joined the faculty as an associate professor.

Moore moved to Corvallis, Ore., in 1979, becoming a full professor in 1981. During his 23-year tenure at Oregon State University, he also served as associate professor, extension agricultural engineer, and visiting scientist at both the New Zealand Agricultural Engineering Institute and the University of New South Wales, in Australia. Moore ended his professional career as the department head of bioresource engineering and became professor emeritus in 2002. During his career he was also blessed with travel and invited to work around the world, from the Philippines to Yemen, often exploring with Janet. Moore's many recognitions include Distinguished Professor, the US Department of Agriculture Award for Superior Service, and ASABE Fellow.

Moore is survived by his loving wife of 58 years, Janet. He was a lifelong teacher and coach to his five children: Kelly Fujiwara (Jon), Kim Boyd (Mark), Donald Moore, Dennis Moore (Pat), and Korinna Wolfe (John). He's also survived by nine grandchildren, a brother, Don (Peggy), as well as numerous nieces and nephews.

In lieu of flowers, the family requests donations be made to [Alzheimer's Network of Oregon](#) or [Lumina Hospice & Palliative Care of Corvallis](#).

Moore was a 37-year member of ASABE.

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Recent Standards Activities

New Revisions

- ANSI/ASAE S433.1 JAN2019, Loads Exerted by Free-Flowing Grain on Bins

Press Releases

- [January 22, 1019, ASABE to Adopt International Food Safety Management Standard](#)

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