



Inside ASABE

News for and about ASABE members

June 30, 2018

Forward this email

In This Issue:

- [From the Executive Director](#)
- [Annual Report Now Available](#)
- [2018 Class of ASABE Fellows Announced](#)
- [New Website Launched](#)
- [Virtual Career Fair Open to ASABE Members](#)
- [Penn State Opens Renovated Ag Engineering Building](#)
- [SDSU Claims 1/4-Scale Tractor Championship](#)
- [2018 Annual Meeting Paper Submission](#)
- [2018 AIM: Check Out the Optional Events and Tech Session Schedule](#)
- [ASABE Awards Winners to be Recognized at Annual International Meeting](#)
- [Global Water Security Conference: Registration, Abstract Deadline, and a Special Offer for Students](#)
- [Coming to AIM? Don't Miss the Foundation Silent Auction!](#)
- [Convert Your AIM Paper to a Peer-Reviewed Journal Article](#)
- [VisualChallenge8](#)
- [All Welcome at Student Awards Breakfast](#)
- [In Memoriam - Larry "Joe" Glass](#)
- [In Memoriam - Kenneth Lomax](#)
- [In Memoriam - Nuri Mohsenin](#)
- [Recent Standards Activities](#)

From the Executive Director



On June 8, president Steve Searcy and I were honored to participate in the dedication of Penn State's new agricultural and biological engineering building. Steve had visited Penn State years earlier, but this was a first for me. The campus and surrounding area are beautiful, and Department Head Paul Heinemann was a wonderful host, showing us around and making us feel welcome on this special occasion. We fully enjoyed the world-famous Berkey Creamery, and we tried traditional Pennsylvania scrapple. Not bad!

The new ABE building provides 93,500 square feet of offices, classrooms, research laboratories, collaborative teaching and networking areas, a dedicated design lab for senior capstone projects, a workspace for Penn State's 1/4-Scale Tractor team, and a state-of-the-art fermentation lab. Architecturally and functionally, it's very well done. The design seamlessly combines the iconic original building (from 1938) with the extensive new complex.

Ralph Blasingame, ASAE past president and first head of Penn State's agricultural engineering department, would be proud of this new facility and what it will allow the ABE department to accomplish. In his 1937 presidential speech, Dr. Blasingame made an analogy to thermometers and thermostats. Thermometers, he

WELCOME
New
Members!

May
2018

Click to see who's
joined
your network of
colleagues

Upcoming
ASABE
CSBE/SCGAB
Section
Meetings
and
Other Events

Wisconsin
July 10

NABEC
Jul 15-18

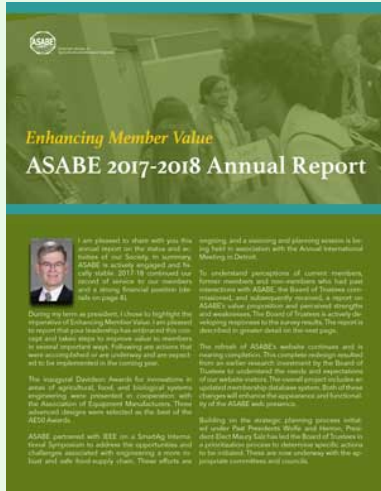
Click
for details

explained, simply indicate current conditions, but thermostats can change conditions from unfavorable to favorable. Referring to engineering students, he encouraged the Society to “produce more thermometers.” Penn State’s new ABE facility will do just that: create the thermometers of tomorrow!

Darrin J. Drollinger
Executive Director

[Back to top](#)

Annual Report Now Available



The 2017-2018 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.

[Back to top](#)

2018 Class of ASABE Fellows Announced

ASABE is honored to announce the 2018 Class of Fellows. They will be inducted next month at the Annual International Meeting, in Detroit, at a ceremony to be held Monday, July 30, at 6:00 pm. A reception for the newly inducted Fellows and their guests will immediately follow the ceremony.

ASABE Fellows Class of 2018

- Devendra Man Amatya, PE
- Paul Ayers, PE
- David Roy Bohnhoff, PE
- Michael D. Boyette, PE
- Dean E. Eisenhauer, PE
- Clifford Fedler, PE
- Lawrence D. Gaultney
- Dirk Maier
- Ronaldo G. Maghirang
- Steven K. Mickelson
- Rabi H. Mohtar
- Thomas Trout, PE
- Chenghai Yang

[Back to top](#)

New Website Launched

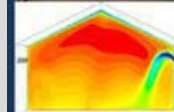
Have you seen it?

ASABE.org has undergone a full redesign, and the changes are more than skin deep.

The retooled site offers ASABE members and other visitors a cleaner, mobile-friendly design that will enable smoother digital engagement with your Society. An affiliated upgrade to ASABE’s member database, which integrates with the site and allows access to your member profile and ASABE Forums, was completed just this week.

Over the past three years, ASABE Board members, Board-appointed task groups, and other volunteers, as well as staff, put

10th International
**Livestock
Environment
Symposium**
(ILES X)
and
1st US
**Precision
Livestock
Farming
Conference**



**September
25-27**

**Omaha,
Nebraska**

*Registration
Open*



in countless hours to understand the needs and pathways of site visitors. A site-usability study was followed by user research that included dozens of interviews, both face-to-face and telephone, supplemented by online user surveys. The result is a site that more closely aligns with the user experience asabe.org visitors expect.

We've put together a little video that provides a Cook's tour of the project and highlights of the new site. Watch it straight from the new [homepage](#).

[Back to top](#)

Virtual Career Fair Open to ASABE Members

Please join us for a Virtual Career Fair on September 20.

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](#).

[Back to top](#)

Penn State Opens Renovated Ag Engineering Building



A ribbon-cutting ceremony was held June 8 to mark the official opening of Penn State's rebuilt and renovated Agricultural Engineering Building, which

houses the [Department of Agricultural and Biological Engineering \(ABE\)](#), in the [College of Agricultural Sciences](#).

The recently completed \$44 million project resulted in a 93,500-square-foot building containing new research and teaching laboratories, classrooms, collaborative teaching/learning spaces, a senior capstone project design lab, offices, a green roof, and a state-of-the-art shared fermentation facility.

"The new building provides a great step forward for creating a sustainable future through our teaching, research and extension work," said Paul Heinemann, professor and head of agricultural and biological engineering. "It has turned out to be a facility of which our faculty, staff and students can be exceptionally proud. The payoff of all the work we invested in the building project is clearly evident."

The building was designed by EYP, an architecture and engineering firm with offices throughout the U.S. and Europe. According to Heinemann, the project marked the first at Penn State that the "integrated project delivery" approach was employed, which brings together owners, contractors and designers to foster collaboration and capitalize on available expertise.

"Integrated project delivery means you can change course with minimal cost because everyone is at the table when decisions are made," Heinemann said. "This approach resulted in better details, better communication with users, better communication with builders, minimal change orders, a reduced project schedule and, ultimately, happier customers."

The original building, constructed in 1938 with a large addition completed in 1968, was designed by Charles Klauder, one of the leading collegiate Gothic architects of his time. The building long has needed significant upgrades to meet energy and safety standards as well as the evolving needs of the department, faculty, students and collaborators across the University. It retains much of the character of the original Klauder design, blending the old with the new.

[Back to top](#)

SDSU Claims 1/4-Scale Tractor Championship



A little extra effort usually pays off, as the South Dakota State University 1/4-scale tractor team learned last earlier this month.

Runner-up in last year's International 1/4-Scale Tractor Student Design Competition, the Jackrabbits claimed the 2018

championship. It's the first time the Jacks have won the competition, now in its twenty-first year. Rounding out the top five spots were runner-up Kansas State University, followed by the University of Kentucky, the University of Manitoba, and Iowa State University. Read the [full article](#).

[Back to top](#)

2018 Annual Meeting Paper Submission

Paper uploads were due June 15, 2018, in order to be published online in our Technical Library by the annual meeting. Late papers will not be posted to the Technical Library until the end of August. No exceptions. All presenters are required to register for the meeting. Presentations whose authors were not registered by June 15 will be removed from the program and will not be posted online. See www.asabe.org/AIMPaperFAQ for details.

[Back to top](#)

2018 AIM: Check Out the Optional Events and Tech Session Schedule



The 2018 AIM is almost here! The Early Bird pricing has come and gone, but there's still time to save! Register online by July 6 for a discount, after that date registration will only be available on-site at a higher rate.

There are still many events available, but don't let that tour or CPD get filled up without you! Interested in some local spirits? Check out the Optional Events page for information about Tour #7 Detroit City Distillery Tour & Tasting. Perhaps a Continuing Professional Development course would benefit you, there are eight from which to choose! Does a relaxing cruise and dinner appeal to you? Sign up for a ticket to board the Detroit Princess for an evening cruise and dinner, benefiting the ASABE Foundation.

For information on those events, program, committees, and hotel accommodations go to www.asabemeetings.org.

[Back to top](#)

ASABE Awards Winners to be Recognized at Annual International Meeting

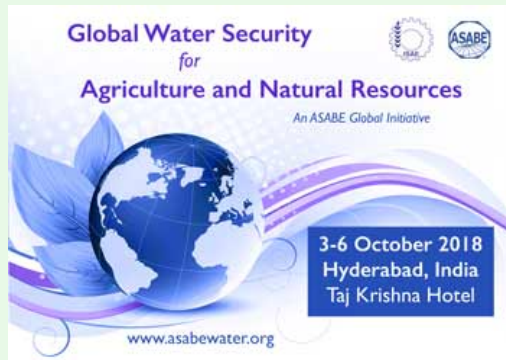
The ASABE awards program is pleased to announce the 2018 class of Major Award recipients! They will be presented with their awards during the ASABE Awards Luncheon - Wednesday, August 1st, 12:30-2:30 pm, in Detroit, MI. Please join us in honoring these individuals.

Kelsey McDonough, Pharos of Alexandria Global Learning
Jordan Cash, Yoerger Preprofessional Engineer of the Year
Ian Hahus, Robert E. Stewart Engineering-Humanities
Ajay Kumar, PE, Gale A. Holloway Professional Development
Yufeng Ge, New Holland Young Researcher

Daniel Andersen, Larry W. Turner Young Extension Professional
Derek Heeren, PE, A.W. Farrall Young Educator
Alireza Pourreza, Sunkist Young Designer
Thomas Marek, PE, John Deere Gold Medal
Paul A. Heinemann, James R. and Karen A. Gilley Academic Leadership
Brian Olson, Evelyn E. Rosentreter Standards
Kenneth J. Hellevang, PE, PEI Professional Engineer of the Year
John K. Schueller, PE, Kishida International
Manjit Misra, Sukup Global Food Security
William Kisaalita, Lalit and Aruna Verma Award for Excellence in Global Engagement
Hongwei Xin, McCormick Case Gold Medal
Megh Goyal, PE, Netafim Microirrigation
G.S. Vijaya Raghavan, PE, International Food Engineering
Irenilza Nääs, PE, Henry Giese Structures & Environment
Garey Fox, PE, ADS/Hancor Soil and Water Engineering
Randal K. Taylor, PE, G.B. Gunlogson Countryside Engineering
James Bordovsky, PE, Mayfield Cotton Engineering
Thomas Trout, PE, Advancement of Surface Irrigation
Kenneth Stone, Heermann Sprinkler Irrigation
Fedro Zazueta, PE, Massey-Ferguson Educational Gold Medal

[Back to top](#)

Global Water Security Conference: Registration, Abstract Deadline, and a Special Offer for Students



This elite conference includes several globally recognized leaders in water conservation and management, a topic that concerns us all. Be a part of this Global Initiative conference and register to secure your spot today. There is limited capacity for attendance; don't let it fill up without you! Registration is available online only until August

31. Don't wait, register today!

This is the second installment in the ASABE Global Initiative conference series and is jointly organized by ASABE and the Indian Society of Agricultural Engineers. Visit www.asabewater.org for information on registration, accommodations, and program content.

[Back to top](#)

Coming to AIM? Don't Miss the Foundation Silent Auction!

Beginning with the Welcome Reception, stop in the Exhibit Hall to bid on several great prizes. Premier offerings include a weekend cabin getaway for two at Torch Lake, a beautiful glacier-carved gem located in lush northwest lower Michigan. The getaway includes several extras. Surf your city's streets with a Detroit Surf Co longboard featuring a laser-etched, detailed map of Detroit. You must see this work of art to appreciate the quality made-in-Michigan craftsmanship. And, yes, you can surf the Great Lakes! Capture the action with a GoPro HERO Session. This convenient, grab-and-go everyday camera is great for the first time GoPro user, or as a second camera. Many accessories included.

The auction will also include unique, specialty items that AIM attendees have come to expect from the Silent Auction. Proceeds benefit the KEYS Fund. Find a gift for someone back home or a special item for yourself while supporting the Foundation.

[Back to top](#)

Convert Your AIM Paper to a Peer-Reviewed Journal Article

Get published in one of our peer-reviewed journals. Your annual meeting paper has a very similar format to our journals making it easy to move ahead. To get started quickly, read the [overview](#).

[Back to top](#)

VisualChallenge8

When you have a camera in hand this summer, remember the VisualChallenge8 images of agricultural and biological engineering. VisualChallenge is an opportunity to be creative and to show those outside the ABE field: "This is what we do." Use your photo entry to convey the beauty and meaning of your work, your research developments, your Society division, or your "occupational eye."

Submit original work as an e-mail attachment in JPG format (300 dpi or higher) to [Sue Mitrovich](mailto:Sue.Mitrovich@asabe.org), Resource managing editor by October 5, 2018. See www.asabe.org/VisualChallenge for details.

Winning entries will be published in the January/February 2019 issue.

[Back to top](#)

All Welcome at Student Awards Breakfast

Please join us to honor our student competitors at the annual AEM/ASABE Student Awards Breakfast on August 1, 2018, at Cobo Center in Detroit, during the ASABE Annual International Meeting

This event begins at 7:30 am and includes a hot breakfast buffet. Tickets are available at the registration desk during the Annual International Meeting; \$5 for students and \$20 for all others.

[Back to top](#)

In Memoriam - Larry "Joe" Glass



Larry "Joe" Glass died February 6, 2018, at the age of 79. He was born in 1938, to Wilmer and Hilda Glass in Tipton, Ind.

Joe—as he was known by everyone—received his bachelor of science degree at Purdue University, then continued to earn a master of science and doctorate degrees at Texas A & M. Glass was professor of agricultural engineering at Cal Poly San Luis Obispo and Texas A&M for a total of 40 years. He was an active member ASABE and served as advisor to the

International Preprofessional Council officers for many years.

Glass took several trips to India to consult with agriculture professionals on wells, pumps, and irrigation methods that would help sustain water resources for communities in need. He loved advising his students and helping them succeed. Joe retired from Cal Poly Professor Emeriti in 2001. After retirement, Joe and his wife Patti participated in ministries and community service in Carmel, Monterey, Pacific Grove, and Oakhurst. They also traveled throughout the USA, and the world, for ministry projects: building schools, churches, helping orphanages, and community needs. Joe was well-known for his Bible memorization, evangelistic efforts, and compassion to help those in need, especially children. He is survived by his wife, Patti; brothers: Harold and James Glass; sister, Jane Ann Tucker; children: Warren Glass, Jamie Corr, Cari Mueller, Jonathan Glass, and Beth Vengley; stepchildren: Marc Huth, Laura Gothard, and Scott Huth; 21 grandchildren; and 6 great-grand- children. Interment at Oakhill Cemetery, Oakhurst, CA.

Glass was a 41-year member of ASABE.

[Back to top](#)

In Memoriam - Kenneth Lomax



Kenneth Mitchell Lomax, age 70, of West Grove, Pa., died at his home on June 9, 2018, after a very short illness from an aggressive form of cancer.

Born in Wilmington in 1947, he was the son of the late Ernest Lomax and Martha (Mitchell) Lomax and was a seventh-generation Delawarean.

Lomax was a graduate of Newark High School. He went on to earn his BS in chemical engineering from Lafayette College, his MS degree in Entomology and Applied Ecology from the University of Delaware, and his PhD in Agricultural Engineering from the University of Maryland. He started his career at University of Maryland's Horn Point Environmental Laboratory in Cambridge, Md., where he was a research engineer. In 1979, he moved to the University of Delaware Agricultural Engineering Department to pursue his passion, undergraduate teaching, especially working with and mentoring his engineering technology students. His research work focused on environmental engineering improvements to support the mushroom industry. Lomax very much enjoyed working with mushroom growers to help develop pragmatic engineering solutions and provided hands on assistance to challenges facing

growers. Although most of his work was local, he was an active participant in international conferences, and enjoyed traveling to other parts of the world to visit mushroom farms and assist as needed, particularly in his expertise in air-flow monitoring and controls.

After retiring in 2009 from teaching at University of Delaware, he continued his work with mushroom growers, but also enjoyed traveling, gardening, maintaining and making improvements on his small farm, and volunteering. He and his wife often traveled to national parks to hike in the mountains and enjoy the wildlife. Lomax was an avid University of Delaware sports fan. He was a member of St. Paul's Lutheran Church in Newark, where he assisted with their monthly food pantry. He also served on the Board of the Friends Home in Kennett for many years.

Lomax is survived by his wife of 46 years, Nancy Lomax; uncles, Joe Mitchell (wife Kathy) of Woodside Farm in Hockessin, DE and Larry Parrish of Kennett Square, PA; and many cousins. In addition to his parents, Lomax is preceded in death by his sister, Anne Lomax.

In lieu of flowers, donations may be made to Friends Home in Kennett, 147 W State Street, Kennett Square, Pa. 19348.

He was a 45-year member of ASABE.

[Back to top](#)

In Memoriam - Nuri Mohsenin



Former ASABE member Nuri Mohsenin died June 4, 2018, in Santa Cruz, Calif. He was formerly from State College, Pa.

Beloved and devoted father, grandfather, and great grandfather, Mohsenin passed away peacefully at the age of 94 at home surrounded by his family. He was born in Tehran, Iran, emigrated to the United States in 1947, graduated from the University of Oklahoma and received a PhD in agricultural engineering from Michigan State University. He was a consultant and lecturer to both private and public sectors, pioneering a new area of food material science called food physics during his 20 years as a professor at The Pennsylvania State University.

Mohsenin and his beloved wife, Iran, who preceded him in death in 2009, after 56 years of marriage, moved to Santa Cruz in 1985, where he invested in local real estate under the name of Redbook Residential.

Mohsenin is survived by his six children, 15 grandchildren and one great grandchild; Tourie (Ardavan), Darius, Jaleh, Azar (Roberto Lucchini), Kamran (Laura Sakett) Marjan (Joe Loll) Yasmin, Roshan, Elaheh, Keyan, Tabriz, Zarin, Darian, Kamyar, Kevan, Ariane, Jackson, Ava, Camille, Roya, Farah and Cyrus Reza. Donations may be made to Hospice of Santa Cruz, 940 Disc Drive, Scotts Valley, CA 95066.

[Back to top](#)

Recent Standards Activities

Proposed Projects

- X559.2, Design Requirements and Engineering Properties for Mechanically-Laminated Wood (Mechlam) Assemblies
- X602.3, General Safety Standard for Agricultural Tractors in Scraper Applications
- X604.2, Safety for Power Take-off (PTO), PTO Drive Shafts, and Power Input Connection (PIC) for Agricultural Field Equipment
- X5687 2018Rev, Equipment for harvesting—Combine harvesters—Determination and designation of grain tank capacity and unloading device performance

New Revisions

- ASAE S341.5 MAY2018, Procedure for Measuring Distribution Uniformity and Calibrating Granular Broadcast Spreaders
- ASAE S487.1 MAY2018, Moisture Measurement—Tobacco—ASABE
- S591.1 APR2018, Procedure for Measuring Point Trip Force and Maximum Trip Height of Tillage Shank Assemblies
- ANSI/ASABE S613-3.1 JUN2018, Tractors and self-propelled machinery for agriculture—Air quality systems for cabs—Part 3: Filters for environmental cab HVAC systems

New Standards

- ANSI/ASABE S641 MAY2018, Droplet Size Classification of Aerial Application Nozzles

Press Releases

- April 30, 2018, Standard Revision Approved on Agricultural Tillage Shank Height and Point Trip Force
- June 7, 2018, ASABE to Revise Combine Harvester Equipment Standard
- June 11, 2018, ASABE Revises Cab Enclosure Standard for HVAC Filters

[Back to top](#)



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Inside ASABE

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