



Inside ASABE

News for and about ASABE members

March 29, 2018

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From the Executive Director



Dr. Arthur "Art" Cooper, ASABE Fellow and John Deere Gold Medal recipient, celebrated his 100th Birthday on March 3. Dr. Cooper (shown at left) is a 78-year member of ASABE, which hands-down makes him our oldest active member. He set a goal for his 100th birthday to hit a golf ball. . . and he did! An active golfer for much of his life, he was the subject of a heartwarming [story](#) in the local Auburn media. I had the pleasure of meeting Art a few years back at a recognition program at Auburn, and it was clear to me that his sharp mind keeps him young at heart.

Art is good friends with Jimmy Butt, retired executive vice-president and past ASAE president. Art and Jimmy became friends during their time together at Auburn University, they each served in World War II, and they were selected together as ASAE Fellows in 1965. So when Bob Schafer contacted us about a follow-up celebration for Art with the department, friends, and family, we were thrilled to help Jimmy take part via videoconference. Jimmy, who is 96 years old, braved a March whiteout snowstorm to wish his dear friend a belated happy birthday. Jimmy said he also might try hitting a golf ball when he turns 100, to which Art replied, "I'll be waiting for you, Jimmy!" Thank you, Art and Jimmy, for all your years of membership and service to ASABE.

Darrin J. Drollinger
Executive Director

WELCOME
New
Members!

February
2018

Click to see who's
joined
your network of
colleagues

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2018 Election Results Announced



Congratulations to the newly elected officers of the Society!

President-elect: Sue E. Nokes; Trustees: Paul F. Burkner, Jane R. Frankenberger, and Roger M. Hoy; Nominating committee: Randall C. Reeder, Jay D. Harmon, Kenneth J. Hellevang, Dana O. Porter, William (Bill) E. Field, Tami M. Brown-Brandl, and Richard (Dick) Godwin.

Also joining the 2018-2019 Board as a trustee is Suresh Neethirajan, president-elect of CSBE.

Terms of office will begin at the 2018 AIM, in Detroit, after the awards luncheon.

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Don't Let This Be Your Last Issue of "Inside ASABE"



Have you paid your ASABE membership dues for 2018? April 1 is the end of the line for members who have not yet renewed. That's it, all membership benefits come to an end. No more access to the ASABE online Technical Library. No quick access to a trusted network of professionals. No more *Resource* magazine, *Inside ASABE*, or discounts on meeting registration. Don't let this happen!

The easiest ways to renew are to pay online or simply call headquarters. Pay online in a matter of minutes by [logging in](#) and selecting the "Renew Now" link. Or call 800/371-2723 x 7028 or 269/429-0300 x 7028 to pay your dues over the phone. Thank you for continued support of *your* Society.

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ITSC Technical Community Paper Awards Deadline May 1

ASABE's Information Technology, Sensors & Control Systems (ITSC) technical community is pleased to announce the ITSC Meeting Paper Award for the 2018 ASABE Annual International Meeting to be held July 29–Aug 1 in Detroit, Michigan. To be considered for the award:

- Papers must be submitted by May 1.
- Papers submitted must be associated with an abstract that has been approved for presentation (any format) during an ITSC-sponsored or co-sponsored session at that year's AIM.
- Papers must use the most current annual meeting [paper template](#).
- Papers must be submitted to ASABE via the standard conference paper submission process detailed at [asabemeetings.org](#).

Successful submission is ultimately the responsibility of the contact author. Contact [Sandy Rutter](#) for questions.

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



Join us this year at the 2018 AIM! The list of events, tours and CPDs is available on the ASABE meetings [website](#). Be sure to register early for these as they do require minimums to guarantee, or they could sell out.

Authors! The technical sessions are also scheduled and available online. The deadline for the presenting author to be registered for the meeting and for papers to be submitted is June 15, 2018.

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Last Call for Fellow Nominations

A final reminder that Fellow nomination materials must be submitted by April 15 for

Upcoming
ASABE
CSBE/SCGAB
Section
Meetings
and
Other Events

Ohio
April 3

Alabama
April 6-7

New Mexico
April 12

Louisiana
April 13

Red River Valley
April 17

[Click
for details](#)

selection of the 2019 Class of Fellows. Entry information and nomination instructions are available at www.asabe.org.

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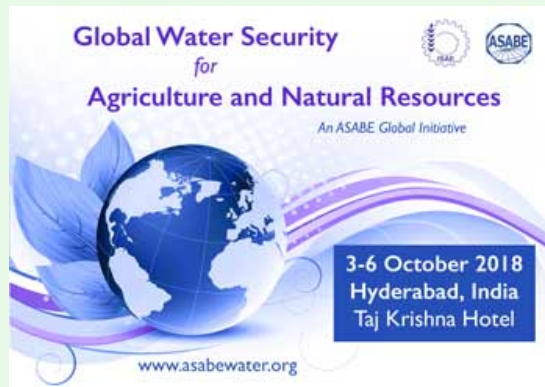
Student Honor Awards - Entries Due April 20

Each student engineering branch and student mechanization branch may elect one student branch member to receive the Student Honor Award. This award recognizes scholarship, activity in student branch affairs, extracurricular and national student activities, and the importance of maintaining the good will and respect of associates.

Score sheet and winning student names must be received at ASABE headquarters by April 20. [Learn more](#).

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



Registration is now open for the conference Global Water Security for Agriculture and Natural Resources, Oct 3-6, in Hyderabad, India. Register online until August 31. Click [here](#) to register in US dollars, [here](#) for Indian rupees.

The deadline for [submitting abstracts](#) continues to April 7.

Daily themes for the conference include: Agricultural Water Scarcity and Security; Weathering Water Resource Extremes; Irrigation & Drainage, Conservation, and Water Management for Sustainable Agricultural Growth Identifying, Managing; and Treating Conventional and Alternative Agricultural Water Supplies.

Students! This is a once-in-a-lifetime opportunity to meet with water-security experts from around the world. Check out this [special offer](#) for travel assistance.

The second installment in the ASABE Global Initiative conference series, the event is jointly organized by ASABE and the Indian Society of Agricultural Engineers. Visit asabewater.org for more details.

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New for 2018! Students - Earn \$250 Cash Prizes for Presenting at the AIM!

The AIM Student Oral/Poster Presentation Competition is open to all undergrad and graduate students who submit an abstract, plan to attend, and present at the ASABE Annual International Meeting (AIM) in Detroit. Outstanding student presentations, in both oral and poster categories, will be awarded in each of the following ASABE technical communities.

Combined Community Awards

Due to their smaller nature, the following communities will be combined.

- Applied Science & Engineering (ASE) and Education, Outreach, & Professional Development (EOPD)
- Energy Systems (ES) and Ergonomics, Safety, & Health (ESH)

Individual Community Awards

- Information Technology, Sensors, & Control Systems (ITSC)
- Machinery Systems (MS)
- Natural Resources & Environmental Systems (NRES)
- Plant, Animal, & Facility Systems (PAFS)
- Processing Systems (PRS)

More competition details [here](#).

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AIM 2018 Paper-Upload Deadline June 15

NEW!
Remote
Weather
Monitoring
Kits



Starting at
\$1730!

ONSET

Select
Your Kit!

Presenting at the ASABE 2018 Annual International Meeting? Be sure to use the 2018 [paper template](#) and read the FAQ for instructions. If your paper is not submitted by June 15 EST midnight, it will not be in the Online Technical Library until after the meeting.

Contact [Sandy Rutter](#) for questions.

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Advertise Engineering Students and Recent Grads in "Discover" Special Issue

Gain publicity for your program in a career-focused special issue of *Resource* magazine. We're offering advertising packages that include copies of the issue for recruitment purposes. "Discover" is only published every three years. See the [previous issue](#) as an example.

The eighth "Discover" issue of *Resource* will mail in September 2018 and will highlight careers in agricultural and biological engineering. In addition to magazine subscribers, this issue is distributed via Engineers Week activities, the FFA National Convention, requests for career materials, and other outreach and is used for student recruitment purposes.

If you plan to advertise, please reply to this email by May 1 and return this [order form](#). Please provide the ad copy by June 4. Contact [Sandy Rutter](#) for information, phone 269/932.7004.

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ILES X, Precision Livestock Farming Symposium - Find Author, Program Info Online

10th International Livestock Symposium (ILES X)
with 1st US Precision Livestock Farming Symposium
DoubleTree by Hilton, Omaha, Nebraska
September 25-27, 2018

ILES X authors: Your paper submission deadline is quickly approaching. Be sure to upload your papers by May 1. Follow the links at www.asabe.org/ilesx2018 for instructions.

Program information for the ILES X will be posted soon along with the opening of registration. Early Bird registration deadline is August 6.

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Meet ASABE's Newest Student Engineering Branch



We are pleased to welcome a new ASABE student engineering branch, at California State University-Merced.

The branch, recently approved by the Membership Development Council, exists to promote professional relationships for engineering students.

Activities that familiarize students with engineering interests and developments provide a basis for professional development and for transition from academic to professional careers. This new branch joins more than 50 universities across North America, Puerto Rico, Ghana, Mexico, and Nigeria that have previously established student branches.

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Patel Receives Mason Vaughn Award from ISAE



Sharadchandra Patel, managing director, American Spring & Pressing Works Pvt Ltd, was honored with the prestigious Mason Vaughn Agricultural Engineering Pioneer Award by the Indian Society of Agricultural Engineers. Patel was recognized for his contributions to the profession of agricultural engineering. The award was presented at a ceremony held on January 8, 2018, at the 52nd Annual Convention of ISAE, at Anand Agricultural University, Anand, Gujarat.

Agricultural University, Anand, Gujarat.

Mason Vaugh (1894-1978) was an American agriculturalist who developed the first agricultural engineering department outside North America in 1921, at Allahabad Agricultural Institute. He has often been called the "Father of Agricultural Engineering" in India.

Patel is a 51-year member of ASABE.

Read the [full article](#).

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Harper Adams Receives Royal Attention



Their Royal Highnesses The Prince of Wales and The Duchess of Cornwall presented representatives of Harper Adams University with the Queen's Anniversary Prize for Further and Higher Education, at

Buckingham Palace, in London. ASABE member Simon Blackmore (in photo, left), head of robotic agriculture, and University Vice-Chancellor David Llewellyn formally accepted the Prize, awarded in recognition of the university's pioneering work in developing agricultural technologies, and associated alternative farming methods, to deliver global food security.

"It is a tremendous honor," said Llewellyn, "to be awarded a Queen's Anniversary Prize, which recognizes the hard work of our staff and students, from many parts of the University, in helping to drive developments in new technologies in agricultural practice."

The night before, members of Harper Adams staff attended a national dinner of celebration organized by the Prize-awarding body, the Royal Anniversary Trust. The event, held at Guildhall in the City of London, involved all of the 21 prize-winning universities and colleges and their guests, together with a large number of other representatives from the private and public sectors. This was a major showcase for the University, which was pleased to be able to welcome, as its guests, senior figures from industry and organizations such as Barclays Bank, the Agriculture and Horticulture Development Board, the Elizabeth Creak Charitable Trust and the Royal College of Veterinary Surgeons.

Blackmore is a global authority on agricultural robots, sharing the benefit of his knowledge and research across the globe, putting Harper Adams firmly on the map in precision farming.

The Queen's Anniversary Prizes, part of the UK Honours System, are awarded every two years. Harper Adams last won the Prize in 2005 for its novel work on supporting women-owned rural businesses.

Read the full article [here](#).

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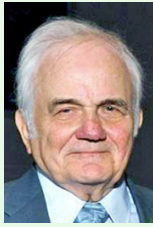
NSF Funding Opportunity for Soil Research

The National Science Foundation, in an effort to encourage convergent research that transforms existing capabilities in understanding dynamic near-surface processes through advances in sensor systems and dynamic models, is inviting submission of two page Research Concept Outlines. The [Dear Colleague Letter](#) for Signals in the Soil outlines four possible themes for primary investigators to address, from which up to 30 submitted concepts will be selected for submission of full proposals and possible funding as NSF EAGER grants. Research Concept Outlines must be submitted by April 13, 2018.

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In Memoriam - Ross D. Brazee

Ross Deline Brazee, 87, Wooster, Ohio, died peacefully on Saturday morning, February 24, 2018.



He was born on Oct. 9, 1930, in Michigan, the son of Herald and Helen (Deline) Brazee, and was a 1948 graduate of Morenci High School in Michigan. He attended Michigan State University from 1948 to 1957 and earned his bachelor's, master's, and doctorate degrees in agricultural engineering.

He served in the US Army from 1953-55 at Fort Benning, Ga., and married Jean Roth on July 25, 1953, in Morenci, Mich. He began working as a Research Agricultural Engineer for the USDA Pesticide Application Research Unit in Toledo, Ohio, in 1957 and moved with the USDA unit to the Ohio Agricultural Research & Development Center at Wooster, Ohio, in 1959. In January 1962, Brazee was designated to lead a USDA newly established Pioneering Laboratory on Fine Particle Physics to study behaviors and physical properties of fine particles and droplets, and closely related problems in fluid flow. Beginning in 1963, he served as an adjunct professor at The Ohio State University, teaching "Aerosol Mechanics in Agricultural Engineering" and "Turbulent Diffusion of Aerosols" and advising numerous graduate students. Between 1972 and 2001, he served as the research leader of USDA-ARS Application Technology Research Unit in Wooster. During his career, he was a published author and was frequently consulted by national and international professionals on fine-particle physics. He retired in January of 2004 from the USDA-ARS and remained in Wooster. Afterward, he became a collaborator with USDA and went to the office every Tuesday and Thursday to continue his research.

He was a member of Westminster Presbyterian Church, and enjoyed woodworking, trains and farming. Surviving are his wife, Jean; daughters, Kathleen (Rick) Thompson, Karen Mork and Kay Wagner; a son, Kevin (Pam) Brazee; grandchildren, Sean (Mallory) Thompson, Ryan (Desiree) Thompson, Maureen (Jay Guo) Mork, Adrienne (Tyler) Schlitzkus and Melanie (Matthew) Kennedy; and eight great-grandchildren.

Memorial donations may be made to LifeCare Hospice, 1900 Akron Road, Wooster, OH 44691.

Brazee was a 65-year member of ASABE.

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Recent Standards Activities

Proposed Projects

- X415.3, Safety Color Code for Educational and Training Laboratories
- X632-1, Precision Agriculture Irrigation Language: Core Concepts, Processes, and Objects
- X632-2, Precision Agriculture Irrigation Language: Observations and Measurements
- X632-3, Precision Agriculture Irrigation Language: Irrigation System Operations
- X632-4, Precision Agriculture Irrigation Language: Sprinkler Charts
- X648-1, Agricultural Field Equipment Braking Part 1: General Requirements
- X648-2, Agricultural Field Equipment Braking Part 2: Requirements for Agricultural Tractors
- X648-3, Agricultural Field Equipment Braking Part 3: Requirements for Self-Propelled and Special Self-Propelled Equipment
- X648-4, Agricultural Field Equipment Braking Part 4: Requirements for Towed Equipment
- X648-5, Agricultural Field Equipment Braking Part 5: Requirements for the Interface between Towing Equipment and Towed Equipment
- X365.9WD, Withdrawal of ANSI/ASAE S365.9, Braking System Test Procedures and Braking Performance Criteria for Agricultural Field Equipment

Press Releases

- February 28, 2018, ASABE Revises Standard for Building Diaphragm Design
- March 12, 2018, ASABE Announces Adoption of ISO Biofuels Standard
- March 12, 2018, ASABE Withdraws Standard Relating to Configuration of Wiring in Tractor Cabs
- March 19, 2018, ASABE to Develop Five New Agricultural Braking Standards

Click [here](#) for a complete listing of ASABE Standards project activities, including recent press releases.

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