

American Society of Agricultural and Biological Engineers



Inside ASABE

News for and about ASABE members

March 29, 2019

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From the Executive Director



In January 2019, Gary Fox, professor and head of the Department of Biological and Agricultural Engineering at North Carolina State University, became ASABE's first-ever editor in chief for our peer-reviewed journals. Gary recently sent out an [introductory note](#) to the membership, describing the challenges and opportunities we face with our journals. His note provides an honest critique of our shortcomings, and Gary also

proposes solutions for improvement. I completely agree with his assessment that "we need to do a better job of communicating the benefits of publishing in ASABE journals."

For starters, Gary is launching the Submit One Initiative for 2019-2020, asking all



Upcoming
Meetings
and
Other Events

SE Student
Rally
Apr 5

Georgia
April 11

Alabama
Apr 12

Louisiana
May 10

1/4-Scale
Competition
May 30

NABEC
June 16

Florida
June 26

[More](#)

ASABE department heads to encourage their faculty to publish in ASABE journals and to communicate that our journals are top-tier publications in our discipline. In this first step, members and others who publish their research are asked to support our Society by submitting to our journals. Garey is not asking that you submit all your papers to ASABE journals—just Submit One!

Other improvements include creating home pages for each journal (see the new Transactions page for an example), highlighting that our average review time to first decision is down to about 60 days, and that many of our journal articles are among the most highly cited in the engineering literature. Garey is also initiating a series of invited review articles on high-impact topics for which ASABE should be recognized as a leader. All of these efforts will boost the recognition of our peer-reviewed journals over time.

Most of all, Garey's energy and optimism are contagious. If you have thoughts on how to strengthen ASABE publications, contact Garey or me. We want to hear from you.

Darrin J. Drollinger
Executive Director

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2019 Election Results Announced



Congratulations to the newly elected officers of the Society. Voted to the Board are President-Elect Candice L. Engler and Trustees Julie Carrier, Garey A. Fox, and Erin G. Webb. Joining the Nominating committee are Jeremiah D. Davis, Carolyn M. Jones, Sherry L. Hunt, Deepak R. Keshwani, Joe D. Luck, Steven E. Taylor, and Lisa R. Wilken.

We also welcome Joy Agnew, president-elect of CSBE, to the 2019-2020 ASABE Board of Trustees.

Terms of office will begin at the 2019 AIM in Boston, Massachusetts, after the awards luncheon. A hearty thanks to all voting membership for contributing to a successful election.

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Student Honor Awards - Entries due April 20, 2019

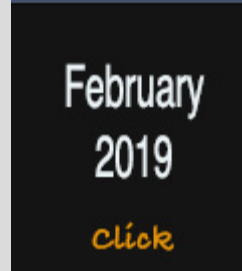
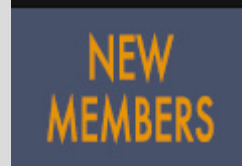
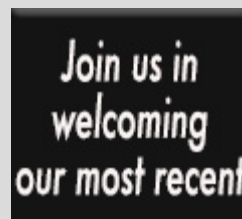
Each student engineering branch and student mechanization branch may elect one student branch member to receive the Student Honor Award. This award recognizes scholarship, activity in student branch affairs, extracurricular and national student activities, and the importance of maintaining the good will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

Score sheet and winning student names must be received at ASABE headquarters by April 20.

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A Message from the Editor in Chief of Journals

Please take a moment to read a note from the new editor in chief, Garey Fox. Topics include the impact factor, the "Submit One" initiative, invited reviews, and the new journal-specific web pages.





Fox will provide strategic guidance for the Society's journals, working with the editorial board to establish a vision and goals for strengthening the quality and impact of ASABE peer-reviewed publications. He will encourage authors to publish their most outstanding research in ASABE publications.

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Biosystems Engineering Digital Library - Input Requested by April 26



Do you ever wish you had access to pictures, video, data, etc. that relate to other places in the world (near or far) to use in your teaching? Would your students benefit from

exposure to a wider geographical context during their learning?

ASABE is supporting development of the Biosystems Engineering Digital Library (BEDL) to address the limited availability of fully documented digital resources for the global biosystems engineering community. We would appreciate your help as we develop BEDL for you and other biosystems/agricultural engineers around the world. We want to learn how you would use BEDL and what features would best enable your use of BEDL. Please click [here](#) to complete a survey that will provide the BEDL development team with guidance to refine its structure and functionality.

Background

A prototype of BEDL was an output of an EU-U.S. Atlantis Program project funded by the U.S. Department of Education and the Education, Audiovisual and Culture Executive Agency of the European Commission. The project team was comprised of members from four European and two US universities. Following completion of the project, four ASABE members of the Atlantis project team requested ASABE support for operational development of BEDL and are leading ASABE's BEDL development efforts. BEDL will include a variety of digital content (e.g. images, data, video) and, most importantly, link that content to metadata describing context and use. The context of BEDL is both educational (a place to find materials for use in developing and delivering courses) and professional (a place to find examples, data, specifications, etc.) linked to metadata providing geographical context. BEDL depends on a community of users who upload materials for others to use and download content for their own use. The content is accessed through a custom web interface that allows both up- and downloading. In addition, users are able to add comments, including application ideas and experiences. BEDL is designed for flexible searching based on key themes and data types, enabling quick searches by users.

If you would like to participate in testing BEDL or receive BEDL updates, please send an email to bedl@asabe.org with your name and contact information.

Please complete the survey by April 26; while the survey will remain open beyond that date, responses received by April 26 will be most helpful.

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AIM 2019 Paper-Upload Deadline May 1

Presenting at the ASABE 2019 Annual International Meeting? Be sure to use the [2019 paper template](#) and read the FAQ for instructions. If your paper is not submitted by midnight (EST) on May 1, it will not be in the Online Technical Library until after the meeting.

Contact [Sandy Rutter](#) with questions.

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

Have you paid your ASABE membership dues for 2019? 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 800/3712723 x 7028 or 269/932-7028 to pay your dues over the phone.

Thank you for continued support of ASABE.

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New for AIM 2019: Industry-Focused Speed Networking Session



Check out this new session planned for the 2019 annual meeting, specially designed for people who want to connect with industry folks further along in their career.

Perhaps you're in your mid-career and thinking about moving into management and want some advice. Or maybe you're fairly new to industry and want to talk to

someone with more experience. Are you a student interested in working in industry after graduation? This is the opportunity for you! Participants register as either mentors or mentees.

Brief mentor biographies will be provided so mentees can select tables in advance. Every 10 minutes mentees move from table to table, while mentors stay at the tables to host and encourage conversation. This hour-long session allows enough time to gain insight from multiple perspectives.

Note: The intent of this session is for career advice, and is *not* a career fair, so please don't come with your resume in hand! Mentors will be selected to represent a diverse set of industries. We know AIM schedules fill in fast, so be sure to save Sunday, July 7 from 7:30 to 8:30 pm for this valuable session. And be sure to check out other industry-focused technical sessions on the agenda. There's sure to be something of interest across all technical interests.

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Last Call: Fellow Nominations Due April 15

A final reminder that Fellow nomination materials must be submitted by April 15 for selection of the 2020 Class of Fellows.

Entry information and nomination instructions are available [online](#).

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ITSC Technical Community Paper Awards Deadline April 22

ASABE's Information Technology, Sensors & Control Systems (ITSC) technical community is pleased to announce the ITSC Meeting Paper Award for the 2019 ASABE Annual International Meeting to be held July 7 - 10 in Boston, Massachusetts.

To be considered for the award:

- Papers must be submitted by April 22. Upload your paper [here](#).
- Papers submitted must be associated with an abstract that has been approved for presentation (any format) during an ITSC-sponsored or cosponsored session at the 2019 annual meeting.
- 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](#) with questions.

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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, attend, and present at the ASABE Annual International Meeting in Boston. One oral and one poster presentation will be recognized in each of the following categories:

- Information Technology, Sensors, & Control Systems
- Machinery Systems
- Natural Resources & Environmental Systems
- Plant, Animal, & Facility Systems
- Processing Systems
- Combined Community Awards - Because of their relative size, the following ASABE technical communities will be combined for a single award, one each for the oral and poster presentations: Applied Science & Engineering; Education, Outreach, & Professional Development; Energy Systems; and Ergonomics, Safety, & Health

More competition details [here](#).

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Tollner Honored with Georgia Engineering Award

ASABE Fellow Ernest (Bill) Tollner, PE, a faculty member at the University of Georgia College of Engineering, was named Engineer of the Year in Education by the American Council of Engineering Companies of Georgia (ACEC Georgia) and the Georgia Society of Professional Engineers (GSPE).

Tollner has been a member of the UGA faculty since December



1980. A professor of biological and agricultural engineering, his teaching and research interests include management of runoff and nonpoint source pollution in agriculture and urban settings.

"I am both humbled and grateful that my body of work has gained this recognition from peers in academia and in practice," said Tollner.

Last year, Tollner and his wife, Caren, established the Dire Needs Project Award Fund in the College of Engineering. The endowment funds outstanding student research and outreach projects designed to make a lasting impact on the dire needs of people outside the United States.

Presentation of the Georgia Engineering Awards is hosted by the ACEC Georgia and GSPE, with the support of the nine other associations that comprise the Georgia Engineering Alliance.

Tollner is a 39-year member of ASABE.

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Quad City Section Member Awards



The Quad City section honored several

members at its annual awards banquet, held March 26. Shown in the photo, from left, are Tom Haar and Tanisha Locklear, named the section's 2019 Member and Young Member of the Year, respectively, and Cody Freehill, Tony Hasenour, Dan Hoffman, Nick Fitzpatrick, Jody Eyestone, Josh Pierson, and Alex Brimeyer, who were the recipients of the 2019 Outstanding Engineering Achievement award for their role in the development of the John Deere 700FD HydraFlex™ Draper. Congratulations to all!

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Ruch Receives Outstanding Engineering Alumni Award from PSU



Terri Ruch, a Penn State agricultural engineering alumna, was recently named one of twelve recipients of the university's 2019 Outstanding Engineering Alumni Award. Established in 1966, the award is the highest honor bestowed by the Penn State College of Engineering and recognizes graduates who have reached exceptional levels of professional achievement.

While Ruch always liked math and science and thought engineering was interesting, it was her father who inspired her to obtain a degree in agricultural engineering from Penn State. After receiving a bachelor's degree in agricultural engineering in 1987, she joined the United States Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS) full time, and has been working there ever since.

Currently the national energy engineer in the agency's national headquarters in Washington, D.C., Ruch is responsible for providing national direction and coordination for agricultural energy efficiency, assuring that activities such as alternative and renewable energy utilization are coordinated in the planning and implementation of the nationwide natural resources conservation program of the USDA-NRCS. She also provides national expertise regarding NRCS natural resource, agriculture and environmental program policy, technology development, transfer, and training.

Ruch has held many engineering positions with the USDA-NRCS, which has provided her the opportunity to live in multiple locations throughout the U.S. She started her career working in three offices in Ohio. From there, she worked in Clarion, Pa., Albany, N.Y., and Raleigh, N.C. She then progressed into engineering management by serving as the state conservation engineer for North Carolina before assuming her current role.

And now that she's a recipient of the Outstanding Engineering Alumni Award, she is literally following in her father's footsteps. "Not only did my dad receive the award back in 1991, but it ends up that I'm also working at the same agency where he spent his career," Ruch said. "I guess you could say he has really inspired me."

Ruch will be honored on April 8 at the College of Engineering's annual Outstanding Engineering Alumni Awards ceremony on the University Park campus.

Ruch is a 29-year member of ASABE.

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In Memoriam - Tom Hoerner



Past ASABE member Tom Hoerner passed away on February 18, 2019, at the age of 82.

Hoerner had a joint faculty appointment at Iowa State in agricultural and biosystems engineering, and agricultural education and studies, from 1968 to 1992, when he retired. He had a significant impact on the agricultural mechanics field, specifically with the preparation of high school agriculture teachers and the ag mechanics career development event for

National FFA.

Hoerner was one of the organizers and for three years served as the first superintendent of the National Future Farmers of American Agricultural Mechanics contest. He was a recipient of the Honorary American Farmer degree, in 1973, and Iowa FFA degree, in 1990. He served as an editor of John Deere Publications, contributed numerous articles in his field to professional journals, and authored or co-authored more than 25 educational books and references in the agricultural mechanics field. He received eighteen Blue Ribbon awards from ASABE for outstanding publications and visual materials. In 1979 he served as president of the American Association for Vocational Instructional Materials. In 1980 he was president of the Iowa State Chapter of Gamma Sigma Delta.

While at Iowa State, Hoerner was recognized for his teaching excellence, receiving the Outstanding Teacher award for the College of Agriculture and the Iowa Legislative Teaching Excellence Award for the College of Agriculture, in 1983 and 1989, respectively. In 1989 Hoerner was named to *Who's Who in American Education*. In 1992 he received the Outstanding Service award from the National VoAg Teachers Association and in 1993 he received the CIP citation from the National FFA Organization. Hoerner was also a member the American Vocational Association, National VoAg Teachers Association, Iowa VoAg Teachers

Association, and American Association of Teacher Educators in Agriculture. He was also a member of Phi Kappa Phi, Phi Delta Kappa, Gamma Sigma Delta, and Alpha Tau Alpha honorary societies.

Hoerner received his bachelor's degree in 1957 at Iowa State College and was a vocational agricultural instructor at Alburnett Community High School, Alburnett, Iowa, from 1957 to 1961. From 1961 to 1965 he was an instructor at Iowa State University while obtaining his master's and doctoral degrees. He was an assistant professor at the Pennsylvania State University from 1966 to 1968, after which he returned to Iowa State as an associate professor and head of a section in the agricultural engineering department. From 1973 to 1992 he was a professor of the agricultural and biosystems engineering and agricultural education and studies departments.

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