

American Society of Agricultural and Biological Engineers



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News for and about ASABE members

March 18, 2019

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From the Executive Director



Beginning with the winter meeting in 1975, the Society launched the Distinguished Lecture Series to provide in-depth design resources for engineers in the agricultural industry. The series is coordinated by the Machinery Systems committee (MS-47) and made possible by generous financial support from Deere & Company. The topics have included steering, tires, electrical systems, engines, transmissions, hydraulic systems, chassis components, and the operator environment. Here's a link to previous papers in the [Distinguished Lecture Series](#).

*Upcoming
ASABE
CSBE/SCGAB
Section
Meetings
and
Other Events*

Oklahoma
Feb 22

Minnesota
Mar 1

Iowa
Mar 5

21st Century
Watershed
Tech Conference

SE Student Rally
Apr 5

Alabama
Apr 5

*Click
for details*

This year's paper, "[Autonomous Technologies in Agricultural Equipment: A Review of the State of the Art](#)," is another excellent contribution to the series. Alex Thomasson of Texas A&M presented it at AETC on behalf of his four co-authors. Noting that field machines already incorporate significant automation and are rapidly evolving from the automatic guidance systems of today to the fully autonomous field robots of tomorrow, the paper compares and contrasts the efforts of six major machinery manufacturers in adopting automatic vehicle guidance, automatic implement guidance, automatic headland and turn management, sensing for perception, sensing for variable-rate application, optimization of machine operation, machinery coordination, and machinery communication.

On a related note, we just received word that ASABE Fellow John Reid, director of product technology and innovation at Deere & Company, has been selected as a [2019 inductee](#) into the National Academy of Engineering for his "innovation in automation technologies for agricultural systems." That's a tremendous honor, and a tribute to our profession. Congratulations, John!

Darrin J. Drollinger
Executive Director

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Final Days to Vote - Check Your Email for Your Ballot Link

Exercise your right to choose Society leadership! Corporate members who haven't yet voted were sent a final email from Intelliscan containing a secure link to the ballot on February 21. If you haven't voted, check for your email message, click on the link, and vote.

Balloting closes March 1.

Not seeing the email? Contact Joann McQuone by [email](#) or by phone (269/932-7022) as soon as possible. Thanks to those who have supported the work of the Society and the candidates with their vote.

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Nominations Underway for 2020 Class of Fellows



"A Fellow shall be an engineer of unusual professional distinction, with outstanding and extraordinary qualifications and experience in, or related to, the field of agricultural, food or biological engineering."

Do you know of someone worthy of this prestigious honor? If so, and if the individual has been a member of ASABE for at least 20 years and has actively practiced in, or related to the profession of engineering, the teaching of engineering, or the teaching of an engineering

related curriculum for at least 20 years, consider nominating for Fellow of ASABE for 2019.

For nominating instructions and eligibility requirements, please visit asabe.org/Fellows.

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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 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

Author notifications are underway and will be sent to the **submitting author** only. Submitting authors are asked to share the status with any **co-authors**. If you are a co-author curious about the status of your paper, please contact your submitting author. The submission site reopens soon for final edits, paper upload, and confirmation of the **presenting author**. To remain in the final program, presenting authors will be responsible for completing AIM registration before May 1. If you have questions, please contact [Jessica Bell](#).

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New Entry Dates for 2019 Fountain Wars

Please note new entry dates for this year's competition:

April 15 - Deadline to indicate your team's intent to enter the competition. Provide the following information to [Gayle Baker](#): contact name, phone number, and email for the student team member representative and team faculty advisor.

May 15 - Deadline to email final team registration information to [Gayle Baker](#).

Find the 2019 rules [here](#).

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Don't Let Procrastination Win - Renew Now!



Did procrastination get the best of you? The deadline for paying 2019 member dues has technically passed, but it's not too late to pay. Select one of the following methods: online with a credit card, by logging in to the members-only page at the ASABE website and clicking the "Renew Now" link; on the phone, by calling 800/371-2723 or 269/932-7028; by faxing your invoice to 269/429-3852; or by returning your invoice in the mail. Thank you for your continued support of ASABE!

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New Faces of ASABE Class of 2019 Announced

The [2019 New Faces of ASABE](#) were announced last week at the Agricultural Equipment Technology Conference, in Louisville. Heading the list of this year's honorees are Jason Schuster and Julianne Chechanover, representing the Professionals and College Edition classes, respectively.

Nominated by engineering colleagues and fellow ASABE members, New Faces of ASABE represent the best of a profession that endeavors throughout the world to improve quality of life and make sustainable use of precious natural resources.

The 2019 classes also include:

College Edition

- Matthew Klopfenstein, The Ohio State University
- Jenna Lee, The Ohio State University
- Justin Traenkle, North Carolina State University

Professionals

- Daeun Choi, PhD, an assistant professor at The Pennsylvania State University

- Jasmeet Lamba, PhD, an assistant professor at Auburn University
- Kai Liu, PhD, postdoctoral researcher at the University of Pennsylvania
- Laura Merriman, PE, PhD, assistant professor at North Carolina State University
- Femeena Vallapil, PhD student at Purdue University



Schuster is an engineer with John Deere's Large Tractor Product Test & Evaluation group, in Cedar Falls, Iowa. He holds both bachelor's and master's degrees from Iowa State University. He has been active in ASABE's Young Professionals Community, serving as a representative to the Meetings and

Membership Development councils, and also in ASABE's Iowa section. Schuster's support of STEM education has taken him into community schools, where he has volunteered during National Hour of Code Week. As a graduate student in agricultural and biological systems engineering at Iowa State, he helped integrate precision agriculture and industry into the classroom to build closer relationships between industry and academia.

Schuster, shown at far left in the group photo, traveled to Washington, DC, last weekend for Engineers Week activities. He served as a judge, alongside ASABE members (continuing to right, in photo) Wayne Bogovich, Gary Seibel, and Don Erbach, for ASABE's special awards—for sustainable food production and best use of renewable fuels—at the Future City Competition National Finals.

Chechanover, photo right, recently graduated from the University of Florida. She is pursuing a career in water-resources engineering, having been inspired in high school by her AP environmental engineering teacher, who raised her awareness of the crucial need for global water security.



Chechanover has built a wide network of colleagues through service in her ASABE student chapter, through a fellowship at the National Soil Erosion Research Laboratory at Purdue University, and by meeting fellow ASABE members from around the world at the ASABE Annual International Meeting. As College Edition winner, she receives a \$1000 scholarship to defray her educational costs.

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John Reid Elected to NAE



ASABE Fellow John Reid is one of 86 newly elected members of the National Academy of Engineering (NAE). Election to NAE is among the highest professional distinctions accorded to an engineer. Academy membership honors those who have made outstanding contributions to "engineering research, practice, or education, including, where appropriate, significant contributions to the engineering literature" and to "the pioneering of new and developing fields of technology, making major advancements in traditional fields of engineering, or developing/implementing

innovative approaches to engineering education."

Individuals in the newly elected class will be formally inducted during a ceremony at the NAE's annual meeting in Washington, DC, on October 6, 2019. Reid is director of product technology and innovation at John Deere's Technology Innovation

Center, in Moline, Ill., and is being recognized for innovation in automation technologies for agricultural systems.

Reid is a 36-year member of ASABE.

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Time for a Reset: Tech Library Login Requires Password Update

The minimum requirements for the technical library password have changed. The first time that you log in, you must set your password to be at least eight characters, one or more letters, one or more numbers, and one or more special characters. Your password may not be in a list of the most common passwords such as **abcd1234** or **qwerty123**.

A valid email address in the ASABE membership database is required. After entering your user name and advancing to the password input, the login web page will go to the password reset page. Enter your user name and select **Reset Password**. You will be emailed a password reset link.

After entering your user name, if the web page does not advance, that indicates that your user name is not recognized or the password has already been reset. Also, if you renew membership after the January 1 deadline for dues, it is possible that your library account has not yet been updated.

If you have any problems, please contact TechnicalLibraryHelp@asabe.org or call 269/932-7004 during business hours. Screen captures of the problem are helpful.

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Students - ASABE Awards and Competitions Offer Opportunities for Recognition

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. Note the entry deadlines, shown below.

Research, Design, and Honor Awards

March 15

Boyd-Scott Graduate Research Award

April 15

Agricultural Robotics Student Design Competition

G.B. Gunlogson Environmental Fountain Wars 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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ASABE Consultants Guide - Advertising Due March 4

Advertise your agricultural or biological engineering expertise. It's easy and inexpensive to be listed in the Guide to Consultants. Rates start at \$95. A copy of the form can be found on [this page](#). Send a 50-word description of your consulting services to GuideToConsultants@asabe.org. This stand-alone print directory will be

mailed with the May/June issue of **Resource** magazine. It will also be posted on the ASABE website for twelve months and distributed when ASABE headquarters receives queries regarding available consultants.

Don't delay: We need your materials by March 4. View the [current guide](#) to see what others are doing. Looking for other marketing opportunities? Find a [full listing](#) of advertising options, which include this monthly e-newsletter, **Inside ASABE**, or contact GuideToConsultants@asabe.org.

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ITSC Technical Community - Paper Awards Deadline April 22

The Information Technology, Sensors, & Control Systems (ITSC) technical community sponsors annual paper awards presented at the ASABE Annual International Meeting. This award promotes the development and presentation of high-quality ITSC papers.

Award-winning papers will be selected by the ITSC technical community from paper proposals that were submitted for the 2019 annual meeting in Boston. Deadline for submitting papers is April 22. Click [here](#) for the template and instructions.

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Undergraduate and PhD Students Encouraged to Apply for 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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2019 Print Journal Subscriptions - Convenient and Valuable Resources

Did you forget to renew your 2019 print journal subscriptions? It's not too late. In this age of rapidly changing technology, ASABE journals can help you keep pace with important developments that affect your career, and printed copies remain a valuable reference.

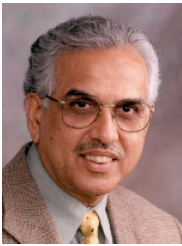
[Applied Engineering in Agriculture](#)
[Journal of Agricultural Safety and Health](#)
[Transactions of the ASABE](#)

For the 2019 prices, visit www.asabe.org/OrderPeriodicals or contact Subscriptions@asabe.org.

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Verma Receives President's Medal from University of Georgia

The University of Georgia recently bestowed the President's Medal, one of its highest honors, to ASABE Fellow Brahm P. Verma, professor emeritus of engineering. The honor recognizes extraordinary contributions of individuals who are not current employees of UGA and who have supported students and academic programs, advanced research and inspired community leaders to enhance the quality of life of citizens in Georgia.



Verma was instrumental in founding UGA's Faculty of Engineering and ultimately UGA's College of Engineering. Two decades ago, he and others began advocating for a full-fledged comprehensive engineering program at UGA. He helped in the formation of 15 academic degree programs.

Verma received his bachelor's in agricultural engineering from the University of Allahabad in India, his master's in agricultural engineering from the University of Kentucky, and his doctorate in agricultural engineering from Auburn University in 1968.

When he arrived at UGA in 1970 as an assistant professor, he was the first person of Indian origin appointed to a tenure-track faculty position in an agricultural engineering department at a U.S. university. He was named an associate professor in 1975 and a professor in 1982. Since 2007, he has served as a professor and associate director emeritus. He was a full member of the UGA Graduate Faculty, a Faculty Fellow in the Artificial Intelligence Center, associate director of the Faculty of Engineering and coordinator of engineering research. His research focuses on the theory of models and principles of similitude; engineering design and decision methodology; and the application of computational intelligence for modeling agricultural and biological systems.

Verma was elected an ASABE Fellow in 1991 and is currently a member of the Foundation Board of Trustees.

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Andy Theisen Presented with AETC MVP



Andy Theisen was recognized earlier this month as the 2019 MVP for ASABE's Agricultural Equipment Technology Conference (AETC). Since attending his first AETC, in 2013, Theisen has been a strong supporter of the event. This year marked his fifth as a member of the AETC Planning committee, and he has been a strong advocate for AETC within his employer, Kondex, strengthening the company's continued financial support for student attendance and conference activities. In addition, he has

organized, led, presented, and monitored sessions throughout his tenure.

In photo: Andy Theisen, left, received the MVP award last week at AETC, in Louisville. Rusty Unterzuber, right, presented the award.

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In Memoriam - Donald L. Reddell

ASABE Fellow Donald Lee Reddell, follower of Christ, loving husband, father, grandfather, brother, and uncle leapt into the presence of Our Heavenly Father, on February 14, 2019, at the age of 81.

Reddell was born September 28, 1937 in Tulia, Tex., to K.T. and Winonah Reddell. He was raised on a farm in west Texas, where his love of "western" life began. His love of the land eventually translated into a career at Texas A&M University as professor at the agricultural engineering department, where his contributions to the fields of irrigation and ground water management have been widely recognized and have had far reaching impacts, especially in areas where water resources are limited. He was known as an extraordinary teacher with a commitment to the education of his students. Just recently, a young student was heard asking him for a piece of advice about how to be a good teacher. Reddell was heard saying, "Just love them. You can be tough on them if they know you love them."

The most important love for Donald, after his love for God, was his precious wife of 62 years, Minnie Ellen Cox Reddell. Their marriage was a reflection of Christ's love for His church. He showered that same gentle love on his children, Revis and René, Cheryl and Marty, and Steve and Caryn; on his grandchildren, DeAnn, Tiffany and Harrison, Aubrey, Reed, Teal, Elisabeth, and Alexandra; on his great-grandchild, Finley; and on siblings, Kemma Beth and Jerry.

In lieu of flowers, the family is requesting donations be made to the [Hospice Brazos Valley](#) to help them continue providing incredible care and compassion.

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In Memoriam - Ronald E. Slocum



Ronald Edward Slocum, 71, of Zephyr, TX passed away Saturday, February 2, 2019. Ron was born February 7, 1947 in Hobbs, New Mexico to Rufus Edward and Agnes (Johnson) Slocum.

Slocum graduated from New Mexico State University and worked 34 years as a civil engineer for the federal government before he retired. After retirement, Ron began free-lance engineering and took great pride in the participation of his

grandkids in his work.

Ron stayed active outdoors hunting for arrowheads and working on the family farm. He was also a diehard Cowboys fan who refused to watch anybody but the Cowboys. Ron was a devout Christian that passed on his devotion to all his kids and grandkids. He was an active member of the Church of Christ.

Those left behind to cherish his memories include his wife of 48 years, Debra Ann Slocum, son and daughter-in-law Marc and Debbie Slocum, daughter Rebecca Svoboda, daughter Sara Slocum, son Kyle Slocum; grandchildren Emily and husband Jason Gonzales, Zac Slocum, Leah Svoboda, Larissa Svoboda, Colton Svoboda, Joseph Guerra, Ryan Guerra, Haley Guerra, Kristin Slocum, Matthew Slocum, Cody Slocum, Wesley Slocum; and two great grandchildren, Aleya and Madden Gonzales. Slocum was preceded in death by his parents, a sister Wilma Nancy Rutherford, and a son-in-law Kevin Svoboda. Online memorials can be left at www.davismorrisfuneralhome.com.

Slocum was a 13-year member of ASABE.

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Recent Standards Activities

New Revisions

- ANSI/ASABE S639.2 FEB2019, Safety Standard for Large Row-Crop Flail Mowers

Proposed Projects

- X8759-1:2018, Agricultural tractors - Front-mounted equipment - Part 1: Power take-off: Safety requirements and clearance zone around PTO
- X8759-3:2018, Agricultural tractors - Front-mounted equipment - Part 3: Power take-off: General specifications and location
- X8759-4:2018, Agricultural tractors - Front-mounted equipment - Part 4: Three-point linkage

Press Releases

- February 7, 2019, ASABE to Adopt Three New Standards for Front-Mounted Ag Equipment

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