



February 28, 2018

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WELCOME
New
Members!

January
2018

Click to see who's
joined
your network of
colleagues

From the Executive Director



Our friends at Iowa State University were understandably thrilled when the news broke that ISU alumnus, ASABE Fellow and Past President Charles Sukup was named an inductee to the [National Academy of Engineering \(NAE\)](#).



And we're thrilled, too! Charles is president of Sukup Manufacturing, which is the world's largest family-owned and operated manufacturer of grain storage, drying, and handling equipment. The NAE citation specifically recognizes Charles for his contributions to grain handling and storage. Charles and his family have been extremely supportive over the years. For example, in 2015 they endowed the ASABE Sukup Global Food Security Award, which recognizes outstanding efforts to improve food security for humanity. From all of us at ASABE, congratulations, Charles!

Speaking of awards, President-Elect Maury Salz, Trustee Doug Otto, and I recently took part in the inaugural presentation of ASABE's Davidson Prize, at the opening ceremony of the Commodity Classic show in Anaheim, California. The Davidson Prize, which ASABE presents jointly with the Association of Equipment Manufacturers, honors engineering innovations in agriculture and is named after J. Brownlee Davidson, ASABE's first president. The Davidson Prize recognizes the best of the best from the annual AE50 awards. Recipients are selected by an independent panel of experts. This year, the first-ever winners of the Davidson Prize were the Robovator by F. Poulsen Engineering, the S700 Combine by John Deere, and the Trident 5550 Liquid/Dry Combination Applicator by Case IH Agriculture. Very well done!

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, please 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 candidates with their vote.

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Inaugural Davidson Prize Honors Three Engineering Innovations



ASABE and the Association of Equipment Manufacturers (AEM) presented the inaugural Davidson Prize to three outstanding innovative products. The awards were presented Tuesday, February 27, at Commodity Classic, in Anaheim, California.

Like the AE50 Awards, from which the winners are selected, the Davidson Prize

Upcoming
ASABE
CSBE/SCGAB
Section
Meetings
and
Other Events

Alabama
April 6-7

Click
for details

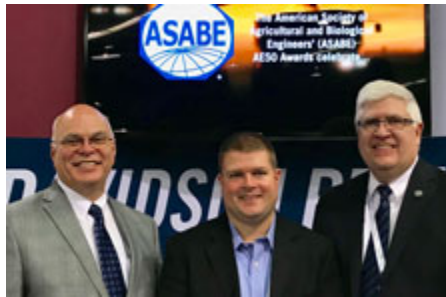
was designed to celebrate breakthrough innovations in areas of agricultural, food, and biological systems engineering. Davidson Prize winners are thus the cream of the year's marketplace innovations.

The three winners were:

- Robovator Mechanical Weeding Machine
- John Deere S700 Combine
- Trident 5550 liquid/dry combination applicator from Case IH

A [video](#) illustrates the three products.

On hand to present and congratulate the winners were President-Elect Maury Salz, Trustee Doug Otto, and ASABE Executive Director Darrin Drollinger (photo right). "We partnered with AEM to create a new award to further celebrate innovation in agriculture," said Drollinger. "The products featured represent the diversity of agricultural engineering, as well as the variety of companies that continue to bring advanced technology and exciting improvements to the marketplace. J.B. Davidson would be amazed at how advanced farm equipment has become."



"We're excited about the advancement of engineering and the positive impacts it has on farmers' ability to work more efficiently," said Curt Blades, senior vice president of Ag Services for AEM. "These three products deliver on solutions where there were needs, demonstrating how improved technology can save time and resources on the farm."

The Davidson Prize is named for J.B. Davidson, the father of modern agricultural engineering. It gives a nod to the storied past of agricultural engineering and pays homage to those engineers, like J.B. Davidson, who aspire to find a better way.

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New Faces of ASABE Class of 2018, Winners Announced



Congratulations to ASABE's New Faces of Engineering. The honorees were announced two weeks ago, at the Agricultural Equipment Technology Conference.

Winner of a \$1000 scholarship in the College Edition was Alexander Greeson, a senior at North Carolina State University. He is currently serving as president of the ASABE student branch and is a member of the 1/4-scale tractor team, the Pack Pullers.

Thirteen individuals were honored in the Professionals category, including this year's top pick, Farzaneh Khorsandi Kouhanestani (photo, below right). She traveled to Washington, DC, earlier this month, to assist ASABE at Engineers Week activities in Washington, DC, beginning February 17. Khorsandi is an extension specialist with the University of California, Davis, focusing on agricultural safety and health.

The full 2018 Professionals class includes:

- Suraj Amatya, PhD, Robotics Engineer, John Deere,



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MARCH 15**

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Urbandale, Iowa

- Chance Corum, BS, Product Verification & Validation Engineer, John Deere Harvester Works, East Moline, Illinois
- Farzadeh Khorsandi Khouhanestani, Extension Engineering Assistant Specialist, University of California, Davis
- Deepak Kumar, PhD, Postdoctoral Research Associate, University of Illinois at Urbana-Champaign
- Alex McLemore, PhD, Assistant Professor, Abraham Baldwin Agricultural College, Tifton, Georgia
- Sushant Mehan, MTech, Bilisland Dissertation Fellow, Purdue University, West Lafayette, Indiana
- Natalie Nelson, PhD, Assistant Professor, North Carolina State University, Raleigh, North Carolina
- Justin Noland, BS, Compliance Engineer, Kubota Tractor Corporation, Grapeville, Texas
- Oluwafemi Oyedeji, MS, Research Assistant, University of Tennessee, Knoxville, Tennessee
- Vivek Sharma, PhD, Assistant Professor, University of Wyoming, Laramie, Wyoming
- Asmita Shukla, PhD, Senior Hydrologic Data Analyst, Southwest Florida Water Management District, Brooksville, Florida
- Kaliramesh Siliveru, PhD, Research Associate, Kansas State University, Manhattan, Kansas
- Aaron Turner, MS, Engineering Associate, University of Kentucky, Lexington, Kentucky



New Faces of ASABE celebrates the activities and accomplishments of ASABE members, whose stories serve as inspiration to their peers, the public, and the future engineers who will follow in their footsteps. The program has two categories, College Edition, for third-year and higher undergraduates, and Professionals, for professional members age 35 and younger.

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Dues Payment Reminder



Did procrastination get the best of you? The deadline for paying 2018 member dues has 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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ASABE Leads Efforts in International Feed-Machinery Standards

Scott Cedarquist, ASABE director of standards and technical, recently participated in a presentation titled "Exports 101," sponsored by the International Trade Association of the US Department of Commerce, at the 2018 International

Production and Processing Expo, in Atlanta, Georgia. Cedarquist was joined by Jean Walsh, ASABE standards administrator, and Gary Huddleston, of the American Feed Industry Association (AFIA). ASABE and AFIA have been working with the Department of Commerce for the past year to encourage small- to medium-sized manufacturer participation in the development of ISO standards on behalf of the feed machinery industry. In 2015, ASABE and AFIA were jointly awarded a significant five-year grant through the Market Development Cooperator Program to assist in the development of standards in this target industry as a protection for US manufacturers in an increasingly competitive global market.

The Department of Commerce has determined that 93% of US exports are impacted by international standards and technical specifications. With more major manufacturers moving to the global marketplace to increase their overall sales, international standards not only set the globally approved benchmark but they are seen as the gold standard. The assumption is that if the international experts approved of the standards that are used to manufacture the equipment being sold, it must be good. This drives export sales to developing countries that do not have national manufacturers in key industries.

If a major producer dictates the international standards for a specific industry, it can then take the lead in global export sales. This could be the case even if the product is inferior to other products on the market, as long as it is compliant with ISO approved standards. The focus of the ASABE/AFIA project in the feed machinery industry is to ensure that standards in development are indeed relevant to all of the global manufacturers, thus equalizing the export and sales opportunities for US manufacturers.

The contacts made during discussions with vendors in the industry are helping to build the pool of experts representing the various aspects of the feed industry. These experts will evaluate and comment on the international standards and develop the position that best represents the US manufacturers.

Exports drive our economy, and US participation in preserving and increasing exports will keep our national economy strong. While standards aren't exciting and flashy, long-term strategic planning, one industry at a time, will pay off as long as we stay engaged. Thanks go to the Department of Commerce for making this opportunity available along with the extensive personal support they provide to the ASABE and AFIA participants.

For more information on this project and how you can become involved, contact [Scott Cedarquist](#), or [Jean Walsh](#).

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Global Water Security Abstract Proposals: Deadline March 15

Global Water Security for Agriculture and Natural Resources
Taj Krishna Hotel, Hyderabad, India
3 - 6 October 2018

Abstract proposals are currently being solicited for presentation at the Global Water Security for Agricultural and Natural Resources Conference. The deadline is March 15, 2018.

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 This is the second installment in the ASABE Global Initiative conference series. Jointly organized by ASABE and the Indian Society of Agricultural Engineers. Visit

www.asabewater.org for more details.

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ASABE: Consultants Guide - Advertising Due March 5

Advertise your agricultural or biological engineering expertise. It's easy and inexpensive to be listed in the Guide to Consultants. Rates start at \$90.

Just email this [form](#) and a 50-word description of your consulting services to [Sandy Rutter](#) (269/932-7004). 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 5. 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*. For questions contact Sandy Rutter.

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Entry Due Dates Approaching for 2018 Student Competitions

Students, don't miss out! Entry due dates for ASABE competitions are quickly approaching. All entry information can be found [online](#).

March 15

Boyd-Scott Graduate Research Award

April 15

Ag & Bio Ethics Essay Competition
Ethics Video

April 20

Student Honor Awards

May 15

AGCO National Student Design Competition
K.K. Barnes Student Paper Competition

For more details on all of our Student competitions and awards, please visit our [website](#).

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Advertise - Engineering Students and Recent Grads in Discover Special Issue

Gain publicity for your academic program in this focused special issue. We're offering advertising that includes 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* magazine will mail in September 2018. It will highlight careers in agricultural and biological engineering. In addition to magazine subscribers, this issue is distributed via Engineers Week activities, the FFA National Expo, requests for career materials, and other outreach and 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](#) (269/932-7004) for information.

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2018 Undergraduate Scholarships

Did you know ASABE offers \$2,400 in undergraduate scholarships every year? The March 15 application deadline is quickly approaching.

William J. Adams, Jr. and Marijane E. Adams Scholarship—\$1,200 available
[Application and details](#)

ASABE Foundation Engineering Scholarship—\$1,200
[Application and details](#)

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ITSC Technical Community - Paper Awards Deadline May 1

The Information Technology, Sensors, & Control Systems (ITSC) technical community sponsors annual paper awards presented at the 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 2018 Annual Meeting in Detroit. Deadline for submitting papers is May 1. Click [here](#) for the template and instructions.

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Reviewer Recognition in ScholarOne Manuscripts

ASABE has partnered with Publons to give you official recognition for your expert peer review efforts. You can choose to have your reviews automatically added to your Publons profile, showcasing how often we rely on your expertise to ensure the research we publish is of the highest quality.

Publons lets you effortlessly track, verify, and showcase your peer-review activity without compromising reviewer anonymity or infringing upon journal policies. The content of the review will not be publicly displayed, and reviewers will only be associated with the journal and not the article they have reviewed.

In ScholarOne Manuscripts, look for the question "Do you want to get credit for reviewing this manuscript on Publons?"

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Foundation Development Assessment Results

Many thanks to everyone who gave valuable feedback on the ASABE Foundation survey conducted late 2017. Results of "The Member Survey" were drawn from the over 900 respondents (an impressive response) covering a wide cross-section of ASABE members, including students, new, and long-term members. The following are some insightful observations from the respondents:

- Nearly a quarter of the respondents, representing hundreds of members, did not know of the ASABE Foundation's existence.
- More than 60% have not previously given or are unsure if they have.
- The top three priorities for support are student initiatives, funding ASABE programs, and standards development.
- The Foundation could increase stakeholder interest with a visionary message that moves away from dedicated funds and builds on core goals and priority initiatives.
- 88% of respondents felt they should be invited to give to the Foundation.
- Promoting the Foundation during meetings and events was viewed as the most effective means of elevating awareness.

Read the full development executive summary of the results [here](#), and watch for a related article in the March/April issue of *Resource* magazine.

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Fellow Nominations Due April 15

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.

Beginning this year, we will begin accepting new Fellows nominations through the new Open Water platform. Details to follow shortly. Find updates and nominating instructions [online](#).

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Sukup Elected into the National Academy of Engineering



ASABE Past President and Fellow Charles E. Sukup has been elected into the National Academy of Engineering (NAE). He is one of 83 new members and 16 foreign members elected February 7, 2018. Sukup was elected for his contributions to the design and manufacturing of agricultural equipment for grain handling and storage.

Sukup is president of Sukup Manufacturing Co., a company founded by his father in 1963. The Sheffield, Iowa, company is the world's largest family-owned manufacturer of grain bins, dryers, material handling equipment, and pre-engineered metal buildings. Sukup became president of the company in 1995. The company has added portable grain dryers, grain bins for farm and commercial storage, material handling equipment including bucket

elevators and conveyors, and pre-engineered steel buildings to their product line. Company sales have increased by a factor of ten since Sukup became president.

Sukup earned bachelor's and master's degrees in agricultural engineering from Iowa State University, then returned to the family business and designed in-bin drying equipment, including lines of centrifugal and axial grain drying fans and heaters utilizing a custom-built air flow testing tunnel. He holds 12 patents and has been highly influential as past president and current Fellow of ASABE. He continues to serve in leadership roles at the national, state, and local level.

Sukup will be formally inducted on September 30, 2018, in Washington, D.C. at the NAE's annual meeting. There are currently 2,293 members of the NAE. Election into the NAE is considered the highest professional distinction accorded an engineer.

He is a 39-year member of ASABE.

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UGA Names Thompson Founding Chair of New College

Sidney Thompson, a professor recognized for his study of properties and storage of particulate solids, was named new founding chair of the University of Georgia College of Engineering's School of Environmental, Civil, Agricultural and Mechanical Engineering.

Thompson has been working with UGA for 37 years and teaches courses in structural engineering and engineering design fundamentals. He has been recognized throughout his career for multiple teaching awards and has more than 85 refereed publications to date.

Thompson earned his bachelor's degree in civil engineering from Kansas State University and went on to earn his master's in civil engineering from Purdue University. Thompson also earned a doctor of philosophy degree in engineering from the University of Kentucky before coming to UGA to teach.

UGA College of Engineering responded to the growth in education and research programs by establishing three new schools in 2017. These schools include the School of Chemical, Materials and Biomedical Engineering; the School of Environment, Civil, Agricultural and Mechanical Engineering; and the School of Electrical and Computer Engineering. These new establishments are set in place to enhance the interdisciplinary curriculum at UGA and advance undergraduate and graduate programs through research and service activities.

Thompson is a 37-year member of ASABE.

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CIGR 2018 World Congress Location Has Been Changed

The destination of the XIX. World Congress of CIGR to be held April 22-25, 2018, has been changed to Antalya, Turkey, the home country of the current president. Abstract deadline has also been extended to February 28, 2018. In addition to a myriad of professional experiences and interactions, the Congress will offer extraordinary experiences about Turkish culture, daily life and historical wonders of the country during the Congress and post Congress tours. Please contact the [Congress Secretariat](#) for any inquiries you may have or any assistance you may need about your travel arrangements.

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Recent Standards Activities

Proposed Projects

- X245.7, Moisture Relationship of Plant Based Agricultural Products

New Standards

- ANSI/ASABE AD17225-4:2014 FEB2018, Solid biofuels - Fuel specifications and classes - Part 4: Graded wood chips

New Revisions

- ASAE EP475.3 JAN2018, Design and Management of Storages for Bulk, Fall-Crop, Irish Potatoes

Standard Withdrawn

- ASAE S434 MAR1990 (R2012), Aperture for Entry of Electrical Wiring into Agricultural Tractor Cabs

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

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