



Inside ASABE

News for and about ASABE members

October 30, 2017

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From the Executive Director



Earlier this month, I traveled to India with Indrajeet Chaubey, chair of the Water Security Conference committee, to prepare for the conference in Hyderabad next year. The conference plans are coming along well, and be sure to check the [website](#) for updates. A highlight of our recent trip was a visit to the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) to see how this organization

is making a difference in India and around the world. ICRISAT has developed corporate and farmer partnerships to find practical solutions to the grand challenges. For example, we visited a check dam that was installed to retain stormwater and recharge the groundwater. This simple structure provides enough water to grow two crops a season, where previously the farmers could grow only one.

We also visited a village where the local brewer is working with a group of entrepreneurial women who collect the brewer's "spent grain," which was previously dumped on the fields, and sell it for use as dairy feed. This makes great use of an available resource, it increases the milk quantity and fat content, and it enhances the women's income. I was proud to pose with the conference planning team and the women leading the effort (photo above). We plan to offer a variety of educational tours like these at the Water Security Conference, 3-6 October 2018. Save the date, and plan to attend.

WELCOME
New
Members!

August
2017

Click to see who's
joined
your network of
colleagues

Upcoming
ASABE
CSBE/SCGAB
Section
Meetings
and
Other Events

Minnesota
Nov 2

Chicago
Nov 15

Click
for details

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Renew Now: Multiple Payment Options Make it Easy

A friendly reminder that ASABE membership renewals are due no later than January 1, 2018. Here are your options for renewing, if you haven't already done so.

Renew online: This is a fast and easy way to renew. Simply log in to the members-only section of the website from the [home page](#). Click the "Renew Now" link and follow the directions from there. In most cases, your username is your member number preceded by an M, and your four-digit birth year followed by your two-digit birth month is your login (equal to six characters). Please call us at 800/371-2723 x7005 or 269/932-7005 if you need assistance with your login or password. Online payments require a credit card, and we accept Visa, MasterCard, American Express, and Discover.

Renew by mail: Please return your original invoice with payment by check or credit card in the envelope provided. Be sure to supply us with updated contact information. If you need another copy of your invoice, please let us know.

Renew by phone: Call us at 800/371-2723 x7005 or 269/932-7005 and we'll be happy to take your dues payment over the phone with a credit card.

Renew by Fax: Fax your completed invoice and credit card payment information to 269/429-3852.

One option that you should never choose: emailing your credit card information. We take internet security very seriously and make every effort to keep your correspondence safe, but we urge you to select one of the safer alternatives listed above.

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Time to Order Your 2017-2018 ASABE Member Roster

It's one of the most valuable benefits of your membership: The printed member roster, available exclusively to ASABE members, remains a popular publication thanks to its ease of use and rich content. Within its pages you'll find not only contact information for your fellow ASABE members, but also organizational and historical details of the Society, like the Constitution and Bylaws, section officers, directories of past presidents and Fellows, and a staff directory.

Order now and your copy will be mailed in a few short weeks. Cost is only \$38, plus postage and handling. Call 800-695-2723.

Note: Rosters ordered on your 2018 dues invoice are for the [2018-2019](#) edition.

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Journal Peer-Review Process Sees Significant Improvement

Thanks to an overhaul of the manuscript-review process, undertaken by a determined group of ASABE volunteers, we're seeing significant decreases in the journal peer-review period. Quarterly meetings are helping journal editors and leadership share ideas to improve all aspects of our journals. The 12-month average time from submission to first decision has decreased by 24.7 days since August 2016. We appreciate the work of our editors and reviewers to make this possible.

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New Faces of ASABE: Where Are They Now?

New Faces of ASABE: 2018 Nominations Open!

Nominations are now open for [2018 New Faces of ASABE](#), the outreach program that recognizes the outstanding talents and passions of the rising generation of engineering leaders, whose work is already having significant impact on public welfare around the globe. The program has two categories: [College Edition](#), for undergraduates, and [Professionals](#), for engineering graduates 30 years of age and younger. ASABE offers its College Edition winner a \$1000 scholarship, while the winner in the Professionals category is invited to travel to Washington, DC, to represent ASABE at Engineers Week activities. Click [here](#) to read about each category and download a nomination form. Note the deadline for entry: December 4.

We all know that ASABE members are amazing people. They work to solve some of the biggest challenges that we face—how are we going to provide enough food, feed, fiber, clean water, and clean energy in a way that uses our resources responsibly and sustainably for generations to come?

We were curious to learn what some of our past honorees have been up to, and to see whether their involvement with New Faces made a lasting impact. We caught up with a few of our College Edition winners and asked them to tell us what they are doing now, and what being named as a New Face of ASABE has meant to them.



Rebecca Chin (2013), Technical Instructor, Southeast Community College/John Deere Canada ULC

Since New Faces, Rebecca Chin completed a master of science in bioresource engineering at McGill University, where her thesis topic addressed "Multimedia approaches to technology transfer in developing countries." She studied the effectiveness of different media to transfer technical information. Chin has continued to pair her technical curiosity with her work in the realm of education. As a technical instructor, she delivers technical overview, diagnostics, and in-field courses to dealership technicians to improve their skills so that they can more effectively service agricultural machinery.

When asked what being recognized as a New Face of ASABE meant to her, Chin said, "Being recognized as ASABE's New Face was both humbling and encouraging. I was humbled to be recognized for work that I believed was worthwhile, and was appreciative of the positive attention from ASABE. It encouraged me to continue to work in agricultural and biological systems engineering to help feed the world."

Max Wallace (2014), Staff Engineer, Geosyntec Consultants

In his work with Geosyntec Consultants, Max Wallace develops custom GIS tools for a county public works to evaluate and prioritize their stormwater infrastructure based on physical characteristics (eg, pipe size, material, condition) and proximity to places of interest (eg, hospitals, evacuation routes, shelters, flood zones). The GIS tools he developed can continually be updated as more data become available and more structures are added. Additionally, he has developed BMP calculator tools to help size modular wetland BMPs based on desired capture efficiency and site conditions, non-DCIA curve number, and rainfall zone). The calculator also provides the user with inputs required by other models used in the permitting process. This calculator is based on over 2000 EPA SWMM simulations. Wallace is currently looking forward to beginning a new project on a watershed management plan for the Southwest Florida Water Management district.

Says Wallace, receiving the New Faces of ASABE recognition "has pushed me to do my best in research and work and reminded me of the importance of sharing my experiences. Whether presenting my work to a client or encouraging the next generation of students, I strive to communicate my passion for engineering."



Jonathan Overton (2015), PhD Student, Purdue University

Prior to starting in his PhD program in fall 2017, Jonathan Overton completed his BS degree from Oklahoma State University and his MS degree from the University of Maine. While at the University of Maine, he evaluated the performance of Liquid-Gated Membranes (LGMs) to passively recover flux during a resting step, as well as the ability of LGMs to reduce the adhesion strength of some common bacterial foulants. This technology could help reduce membrane fouling in water filtration processes. Overton also worked to create surfaces for localized, controlled adhesion of bacteria.

Overton reflected on being a New Face of ASABE, saying, "Being recognized as an ASABE New Face was a great source of encouragement to me. It showed that my dedication to coursework, involvement in ASABE, and attempts to be a leader in the Oklahoma State University Department of Biosystems and Agricultural Engineering had been noticed by my professors. I also feel that it adds a strong boost to my resume and academic record."

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Search Engine Help for the Technical Library

Check out www.asabe.org/TechnicalLibraryHelp on how to use Google to search our library. It also includes details on how to use our built-in search engine.

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Detroit 2018: AIM Registration, Call for Papers Now Open!

Sure, metro Detroit is the Motor City, thanks to Henry Ford and his pioneering ways. But the area is known for more than just the cars it helps produce. In fact,



much of what's made it Detroit makes an appearance on your dining table: Dominos and Little Caesars pizzas, Faygo beverages, HoneyBaked hams, Jiffy bread and cake mixes, Kowalski sausages, and more. And did you know Detroit is home to the nation's first "[Sustainable](#)

Urban Agrihood"?

So mark your calendar and make plans now to enjoy this modern renaissance city as ASABE welcomes you to the 2018 ASABE Annual International Meeting, July 29–August 1. The call for papers and meeting registration are now open.

Abstracts will be accepted until midnight EST, January 3, 2018, and can be submitted [online](#). A list of available sessions topics can be found [here](#).

Once again, we are pleased to offer \$50.00 off of the early bird rate for those who wish to bundle meeting registration with their ASABE membership renewal. Take advantage of this reduced rate by marking the corresponding box on your dues renewal invoice or when renewing online. This offer is available only until December 31 and only to existing ASABE members.

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IRA Disbursement - An Easy Way to Support the ASABE Foundation

Did you know that the IRA Charitable Rollover provision allows you to make tax-free gifts to the ASABE Foundation from your Individual Retirement Account (IRA)? Individuals aged 70 or older can make gifts up to \$100,000 per year using funds transferred directly from their IRA without paying taxes on the distributions. The transfer generates neither taxable income nor a tax deduction, so you will benefit even if you do not itemize your tax deductions.

In addition, your IRA gift can count toward your minimum required distribution as long as you have not received your distribution the year. You may contribute IRA funds this way if you are 70 or older; the gift is \$100,000 or less each year; you make the gift on or before December 31 each year; you transfer funds directly from an IRA or Rollover IRA; and you transfer the gift outright to ASABE.

If you are interested in this unique opportunity to build your legacy through ASABE, or have questions, please contact [Mark Crossley](#).

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We Get Questions: Can I Post My ASABE-Copyrighted Material Online?

Digital tools have made it very easy to circulate published works, and ASABE's authors frequently contact the Publications department about re-posting their papers and articles that have been published by ASABE. Here's a short summary of author rights and restrictions on ASABE-copyrighted material.

You may post your meeting papers and journal articles on your own website and on your employer's website. Website ownership is defined as personal control of the domain name and content, such as YourName.com. It does not include one's pages on Facebook, LinkedIn, Google+, academia.edu, or similar social networking websites.

Permission extends only to the original authors. Also, although commonly practiced, posting copyrighted material on ResearchGate or a third-party website is illegal. The latter has proved to be problematic for ASABE, and we pursue violators to every extent possible.

Rather than post the documents, authors are encouraged to publish links to their articles, using the unique document digital object identifier (DOI) number. This link will redirect to your document in the ASABE Technical Library. For example, if your DOI number is:

10.13031/aim.20152115668

the corresponding web address is:

<http://dx.doi.org/10.13031/aim.20152115668>

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ASABE, in partnership with PDHengineer.com, brings you online courses and webinars designed specifically to help professional engineers expand their knowledge base and meet the continuing education mandates of all state engineering boards. The flexibility of online courses allows you to complete them around your family schedule and other commitments. And all PDH credits are guaranteed to be accepted by all state boards.

Hundreds of offerings are available, covering a wide range of topic areas. As a benefit of ASABE membership, you receive a 15% discount off all courses and webinars by entering the discount code ASABE at checkout. Click [here](#) to learn more.

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Resource magazine is published six times a year in both print and electronic formats. The magazine features trends, new technologies, issues, and applications related to agricultural and biological engineering.

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ASABE is recognized internationally for its technical leadership in all areas of biological, food and agricultural engineering, which include:

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Processing Systems
Information Technology, Sensors & Control Systems

Resource is distributed to all ASABE members. Additionally, more than 500 libraries and other institutions worldwide are also *Resource* subscribers. Individual articles are occasionally distributed to press lists or other public relations outlets to focus attention on agricultural and biological engineering.

For more information contact [Sandy Rutter](#), or visit www.asabe.org/advertising.

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Terry Howell, Sr., Honored by ARS



ASABE Fellow Terry A. Howell, Sr., has been named to the Agricultural Research Service (ARS) Science Hall of Fame for his innovative and impactful scientific contributions to our nation and the world. He was honored in mid-September in a ceremony at the ARS National Agricultural Library, in Beltsville, Md. ARS established the Science Hall of Fame in 1986 to honor senior agency researchers for outstanding, lifelong achievements in agricultural science and technology.

Howell is known for his contributions toward saving water by developing strategies for measuring and calculating the precise water needs of a wide variety of crops. His work has also focused on developing irrigation weather networks and theories that can save water by providing daily crop water use data for precise irrigation scheduling. He also has been instrumental in developing advanced sprinkler and pressurized microirrigation systems for efficient water application. His approaches are helping to conserve water in areas with shrinking water supplies and sustaining

rural economies by reducing water needs and millions of dollars in pumping costs. They have been particularly effective with a variety of crops in California, Texas, and other Southwestern states, and in the Southern and Central Great Plains. Pressurized irrigation systems now cover 65 percent of all of the irrigated cropland in the United States.

Howell is a 48-year member of ASABE.

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Laguë a Fulbright Canada Scholar

CSBE-ASABE member Claude Laguë was the recipient of a Fulbright Canada Scholar award for 2016-2017 following the completion of his 10-year tenure as dean of the faculty of engineering at the University of Ottawa. The mandate of Fulbright Canada is to enhance mutual understanding between the people of Canada and the people of the United States by providing support to outstanding individuals, who conduct research, lecture, or enroll in formal academic programs in the other country.

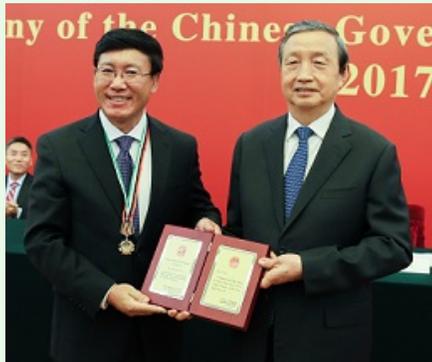
Laguë's study/research topic was "Entrepreneurship in Engineering Education." From September 2016 to April 2017 he resided in California, using the University of California-Davis, where he received his doctoral degree, as his base. He had the opportunity to spend time at Stanford University, the University of California-Berkeley, and the University of Southern California.

As a result of his time in the US, he prepared and submitted a research report to Fulbright Canada and other interested stakeholders. His main findings relate to the two key elements that determine the overall success and impact of any entrepreneurship education program aimed at engineering students: buy-in, and a multi- or interdisciplinary approach. Please contact [Laguë](#) for a copy of the full report.

Laguë is a 36-year CSBE and ASABE member.

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Pan Honored with Award



Zhongli Pan received the Chinese Government Friendship Award, the highest honor given to foreign experts who have made outstanding contributions to China's economic and social progress. He was recognized for his outstanding leadership and contributions toward international collaboration in research and education in food and agriculture.

The award was conferred by Vice Premier Ma Kai and was presented in Beijing, at a ceremony held September 29,

2017, in the Great Hall of the People. Pan was nominated by the Chinese Ministry of Science and Technology for the award. This year, 50 experts from 21 countries received the award. Following the award ceremony, Premier Li Keqiang met all the award winners and their families. Together with Chinese President Xi Jinping, they all attended China National Day Reception on September 30.

Pan is a research engineer at the Western Regional Research Center of the USDA-ARS and an adjunct professor in the Department of Biological and Agricultural Engineering, University of California, Davis. Pan and his team also recently received the Award for Outstanding Commercialization Success from Federal Laboratory Consortium (Far West) and a Technology Transfer Award from Pacific West Area, USDA-ARS.

Pan is a 23-year member of ASABE.

In photo: Pan at the Friendship Award Ceremony with Chinese Vice Premier Ma Kai.

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Recent Standards Activities

New Projects

- ASABE/ISO 3463:2006 SEP2017, Tractors for agriculture and forestry - Roll-over protective structures (ROPS) - Dynamic test method and

acceptance conditions

- ASABE/ISO 5700:2013 SEP2017, Tractors for agriculture and forestry - Roll-over protective structures - Static test method and acceptance conditions
- ASABE/ISO 12003-1:2008 SEP17, Agricultural and forestry tractors - Roll-over protective structures on narrow-track wheeled tractors - Part 1: Front-mounted ROPS
- ASABE/ISO 12003-2:2008 SEP2017, Agricultural and forestry tractors - Roll-over protective structures on narrow-track wheeled tractors - Part 2: Rear-mounted ROPS

New Revisions

- ANSI/ASABE EP486.3, Shallow Post and Pier Foundation Design

Press Releases

- September 1, 2017, New Agricultural Cab Enclosure Standards Improve Air Quality for Operator
- September 12, 2017, ASABE Revises Standard on PTO Safety

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

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