



The Newsletter of the Wisconsin Section  
of the American Society of Agricultural  
and Biological Engineers

WI ASABE SECTION

[www.wiasabe.org](http://www.wiasabe.org)



The Society  
for  
engineering  
in  
agricultural,  
food, and  
biological  
systems

# Winter 2015

## Save the Date:

**Spring Section Meeting**  
**WEDNESDAY March 30<sup>th</sup> 2016**  
**LaSure's Banquet Hall**  
**Oshkosh, Wisconsin**

**Social Hour: 4pm**

**Guest Speaker: 5pm**

**Buffet Dinner: 5:30pm**

**Business Meeting to follow dinner, along with WI Section Awards presentations and new officer election results!**

**Cost:           Members and Guests: \$20**  
**Students: Free**

**Watch your email for the registration notice with additional meeting details—Registration for this meeting will open in January 2016 and will close on Wednesday, March 23<sup>rd</sup>!**

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## 2016 Call for Award Nominations

The call for section awards is currently open until January 31, 2016!

The following awards will be presented in 2016:

Agricultural and Biological Systems Engineering Career Achievement Award  
Wayne G. Russell Award  
Biological Systems Engineering Graduate Student of the Year  
Biological Systems Engineering Student of the Year  
Agricultural Engineering Technology Student of the Year

Please see the 2016 CALL FOR AWARDS for award nomination criteria.

For more information, contact:

Brian Luck (e: [bluck@wisc.edu](mailto:bluck@wisc.edu), ph: 608-890-1861)

## WI ASABE Section Officer Nominations

Elections for the 2016-2017 Wisconsin ASABE Officers are upcoming.

If you or anyone you know is interested in becoming an officer, please contact Bill Bassett ([bill.bassett@kuhn.com](mailto:bill.bassett@kuhn.com)) or Troy Runge ([trunge@wisc.edu](mailto:trunge@wisc.edu)) for more information.

## MRR at UW-Madison

The UW-Madison ASABE Student Chapter will be hosting the Midwest Regional Rally March 3-5, 2016. There will be approximately 60 students in attendance from universities around the Midwest. The event will begin with a welcome social on Thursday evening. Friday will be focused on touring local industry. There will be tour choices for students focusing on machinery, food, bioprocess, and environmental engineering followed by a large group tour. Later in the day the students will gather for a teambuilding social event followed by a catered dinner. On Saturday morning students will tour the Biological Systems Engineering Department and listen to short presentations from graduate students and faculty to learn about some of the research being done in the department. The rally will conclude with a business meeting in which the location for the 2017 Rally will be decided.

If any individual or company has any questions, suggestions, or would be willing to help support the event please contact Jenna Sanford, [jmsanford@wisc.edu](mailto:jmsanford@wisc.edu), or Josiah Zanghi, [jzanghi@wisc.edu](mailto:jzanghi@wisc.edu).

## **UW-River Falls to Offer New Agricultural Engineering Degree**

September 11, 2015 -- The UW System Board of Regents has approved a new undergraduate Bachelor of Science program in agricultural engineering at the University of Wisconsin-River Falls.

Set to open in fall 2016, the program is the only one of its kind in a nearly 200-mile radius of UW-River Falls. Industry demand for more agricultural engineers in this rapidly growing region of the state was a key factor in development of the new program, with research indicating an 8-9 percent job growth rate in the field between 2010-2020. The program expects to enroll 15 students the first semester, with a goal of 73 agricultural engineering students on campus within five years.

The agricultural engineering program, offered through the UW-River Falls College of Agriculture, Food and Environmental Sciences (CAFES), will align with key economic drivers of the state and this region. The program will enable UW-River Falls to reinforce its already strong partnerships with the region's businesses, building an appropriate talent pool capable of contributing to the development, production, and support of new and innovative products for agricultural and off-road industries.

As UW-River Falls Chancellor Dean Van Galen remarked, the approval of agricultural engineering will provide wonderful new opportunities for students and will have "very positive outcomes related to economic development and deeper domestic and international cooperative opportunities for UW-River Falls" which already has fruitful relationships with the Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) and the Wisconsin Economic Development Corporation (WEDC).

Industry demand and student interest helped drive development of the new program, which will offer a high-quality degree in a field with high demand and solid job and graduate school prospects. The UW-River Falls agricultural engineering degree will be teaching-focused, student-centered, and industry-relevant.

Agricultural engineering is part of the Northwest Wisconsin Engineering Consortium (NWECE), a collaborative effort between UW-River Falls, UW-Eau Claire and UW-Stout to bring a range of engineering programs to western and northern Wisconsin. Students enrolled in any of the NWECE campus-based engineering majors will have flexibility to transfer general engineering credits between the campuses, leverage a greater variety of specific faculty talent and facility offerings, and benefit from the combined potential of increased exposure to a broader array of industry partners.

UW-River Falls is well-known and respected for the array of applied science programs in CAFES and the new degree will run parallel to the existing undergraduate program in agricultural engineering technology, though requiring higher-level mathematics, more theoretical work, and a focus on conceptual design. The new program is designed to meet accreditation requirements outlined by the Accreditation Board for Engineering and Technology, making graduates eligible to become licensed professional engineers.

“The agricultural engineering program represents investment in a significant opportunity for UWRF in helping meet an important regional economic development need,” said Dale Gallenberg, dean of the College of Agriculture, Food and Environmental Sciences. “This is a logical next step for CAFES to add to our highly respected agricultural engineering technology program. Together the two programs will allow us to better partner with industry through education and training of quality students.”

“In practical terms,” said Joe Shakal, associate professor of agricultural engineering, “engineers may design the next generation of tractors or combines to be marketed by Case IH, while engineering technologists could be employed as test engineers during the design and testing phases of the new machines.”

Many UWRF agricultural engineering technology graduates are employed in this region by small and mid-size companies or local operations of national corporations. These same companies need professional engineers, but have difficulty attracting and retaining graduates of engineering programs from outside the region.

Terry Sizemore, vice-president of engineering with Oxbo International in Clear Lake said, “Oxbo is extremely pleased to hear that the UW Board of Regents has approved a new agricultural engineering degree for the University of Wisconsin-River Falls. We feel this program will further develop and prepare UWRF students for a rewarding and challenging career. As a global company with key engineering teams located in Western Wisconsin, we look forward to partnering and collaborating with the faculty, staff, and students to ensure the program’s success.”

UW-River Falls is committed to the success of the new program. The campus investment includes funds to renovate and upgrade some of the 18,000 square feet of laboratory space in the Agricultural Engineering Annex and hire additional faculty and staff to complement the expertise of current faculty. Dedicated scholarship funding for qualifying students will also be made available.

Additional information about the new agricultural engineering program can be found at [go.uwrf.edu/agengineer](http://go.uwrf.edu/agengineer). For more information, email Shakal at [joseph.shakal@uwrf.edu](mailto:joseph.shakal@uwrf.edu).

## Secretary's Report

09Dec2015

The September 30th, 2015 ASABE Wisconsin Section meeting was held at the Maple Tree Supper Club in McFarland, WI. Prior to the meeting many members were able to attend World Dairy Expo.

The meeting had a good turnout of both students and professional members. Following the social ½ hour Chris Horton and Joe Tevis gave a short presentation *about "Agricultural Standards Data – How is Precision Agriculture, Modern Technology, and "Big Data" affecting Agricultural Engineering?"* They reviewed definitions, regulations, and the challenges ahead as data becomes a bigger part of daily agricultural. If you would like to review in more detail please visit [www.aggateway.org](http://www.aggateway.org). Following the presentation the group enjoyed a buffet style dinner.

After dinner there was a short business meeting. Following approval of treasurer and secretary reports posted in the last newsletter brief reports were given from those who attended the WALSA picnic and the national meeting in New Orleans. In new business it was noted that UW – River Falls will be offering an Agricultural Engineering Degree option beginning this year. The group was also reminded of opportunities for nominating someone for both section and national awards after the first of the year. Doug Reinemann, Professor and Chairman, UW – Madison Biological Systems Engineering Department, announced that the BSE Department is considering adding "Agricultural" back into the department name, please pass any comments you may have on the matter to him. It was also announced to consider attending the Ag. Machinery Conference in Waterloo, IA, May 2016, it is hosted by the Iowa ASABE section. Actual business discussed was a recent application/request from the UW-Madison Student Chapter for funds to help with travel expense associated with various 2014-2015 events. After short discussion the group motioned to approve providing \$1500 to the student chapter. The next meeting (annual banquet) is planned for March 30<sup>th</sup>, 2016 in conjunction with the Oshkosh Farm Show. The meeting will be at La Sure's Hall as it has been in past years.

Respectfully Submitted,

Garritt Boettcher

ASABE Wisconsin Section Secretary 2015-2016

**Treasurer's Report****09Dec2015****Opening Balance****\$6902.98****Revenue:**

<u>Date</u>	<u>From</u>	<u>Memo</u>	<u>Amount</u>
10/1/2015	Meeting Revenue	Pay at Door (30Sept2015)	\$360.00
10/13/2015	Meeting Revenue	Pre-Pay (30Sept2015)	\$240.00

**Total: \$580.00****Expenses:**

<u>Date</u>	<u>To</u>	<u>Memo</u>	<u>Check #</u>	<u>Amount</u>
09/30/2015	Maple Tree	May Meeting Meal	608	\$525.00
10/7/2015	UW-Madison Student	UW-Madison Fund Request	609	\$1500.00

**Total: \$2025.00****Closing Balance****\$5477.98**

Respectfully Submitted,

Garritt Boettcher  
 ASABE Wisconsin Section Treasurer 2015-2016

## ***Wisconsin Section ASABE 2015-2016 Officer Team***

**Chair**

Bryan Rowntree  
Kuhn North America  
(608) 897-2131

**Past Chair**

Richard Straub  
UW-Madison  
(608) 262-3311

**Vice Chair Program (Chair-Elect)**

Chris Horton  
Digi-Star  
(920) 568-6258

**Vice Chair Awards**

Brian Luck  
UW-Madison  
(608) 890-1861

**Vice Chair Membership**

Shane Williams  
Kuhn North America  
(608) 897-2131

**Vice Chair Public Relations**

Justin Orrick  
Kuhn North America  
(608) 897-2131

**Secretary and Treasurer**

Garritt Boettcher  
John Deere Horicon Works  
(920) 485-5792

**Webmaster**

Nate Dudenhoeffer  
Dudenhoeffer Agricultural Technology  
(608) 432-5617

**Career Development Committee**

Rod Zimmerman  
Kuhn North America, Inc.  
(608) 897-2131

Tom Hoffman  
Kuhn North America  
608-897-2131

Bob Pofahl  
REA Engineering  
(608) 831-5522

**Nomination Committee**

Bill Bassett  
Kuhn North America, Inc.  
(608) 897-2131

Troy Runge  
UW-Madison  
608-890-3143