



WI ASABE SECTION
www.wiasabe.org



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

WEDNESDAY May 20th

Section Meeting

MADISON, WISCONSIN

Schedule of Events

Kondex Factory Tour (3:30 pm)

Recommended that competitors are not allowed to tour

MEETING {The Golf Club at Camelot, Lomira WI}

5:00pm	Social Time
5:30pm	Presentation
6:00pm	Dinner
	Followed by business meeting

Presentation:

"Laser Cladding and Laser Heat Treating", Kondex Corporation

To Attend the Tours and/or the Dinner Meeting

Please REGISTER

by Tuesday, May 12th

**Registration by this date allows for an accurate
dinner reservation!**

INSIDE THIS ISSUE

- Schedule of Events for May 20th Meeting
- Directions
- Registration – [ONLINE REGISTRATION WITH ONLINE PAYMENT OPTION](#)
- Secretary/Treasurer's Report
- Award Recipient Summaries
- Officer Contact Information

May 20th Meeting Details

TOUR:

Kondex Coporation founded in 1974, is a manufacturer of engineered cutting parts for the agricultural and commercial lawn & turf care markets. These include sickle sections for combines and sickle mowers, disc mower blades, aerator tines, and sod cutter blades.

Kondex Corporation has generously offered to host a tour and technical session. During the tour please stay in walkways only. Competitors please skip the tour and join us during Social Hour!

Kondex Factory Tour: 3:30 pm

Kondex Corporation, 1500 Technology Drive, Lomira, WI 53048

Website: <http://www.kondex.com/>

Tour is Free, but you must register for the tour by Tuesday, May 12th.

MEETING:

The Golf Club at Camelot

W192 State Road 67, Lomira, WI 53048

Website: <http://www.golfcamelot.com/>

5:00 pm, Social ½ Hour

Thank you to the generosity of Kondex for providing each attendee 2 drink tickets

5:30 pm, Technical Session

"Laser Cladding and Laser Heat Treating", Kondex Corporation

6:00 pm, Buffet Dinner

Business meeting to follow

Registration: \$25

Please register by Tuesday, May 12th this allows us to have an accurate dinner count.

Register online at:

<http://www.asabe.org/meetings-events/2015/05/wisconsin-section-meeting.aspx>

Rethink Product Design



Laser Cladding and Laser Heat Treating Technical Session

Learn how laser cladding and laser heat treating can help you achieve your product goals for:

- Greater durability
- Improved wear
- Reduced weight
- Lowered cost
- Decreased complexity

Sponsored by Kondex Corporation

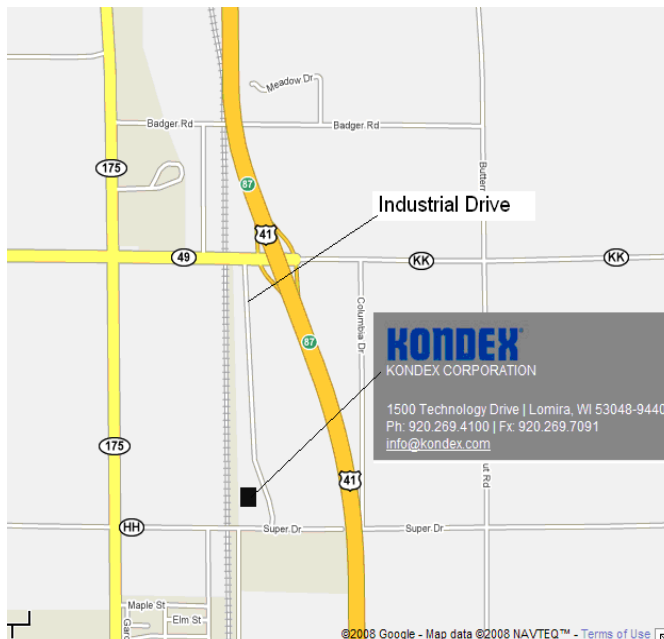
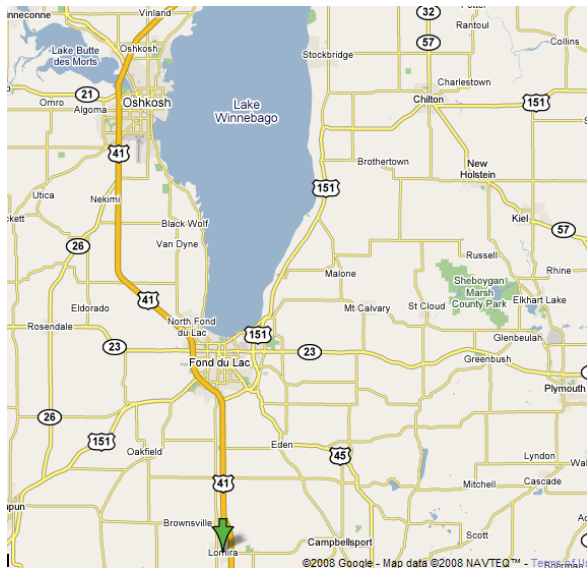


Kondex Corporation

1500 Technology Drive, Lomira, WI 53048

From Oshkosh: Highway 41 south to Highway 49 in Lomira. Go west on overpass. Take first left onto Industrial Drive. Take right onto Technology Drive. It is about a 20 minute drive from the EAA grounds to the Kondex facility.

From Milwaukee: Highway 41 north to Highway 49 in Lomira. Go west on overpass. Take first left onto Industrial Drive. Take right onto Technology Drive.



The Golf Club at Camelot

W192 State Road 67 · Lomira, WI 53048 · 920-269-4949

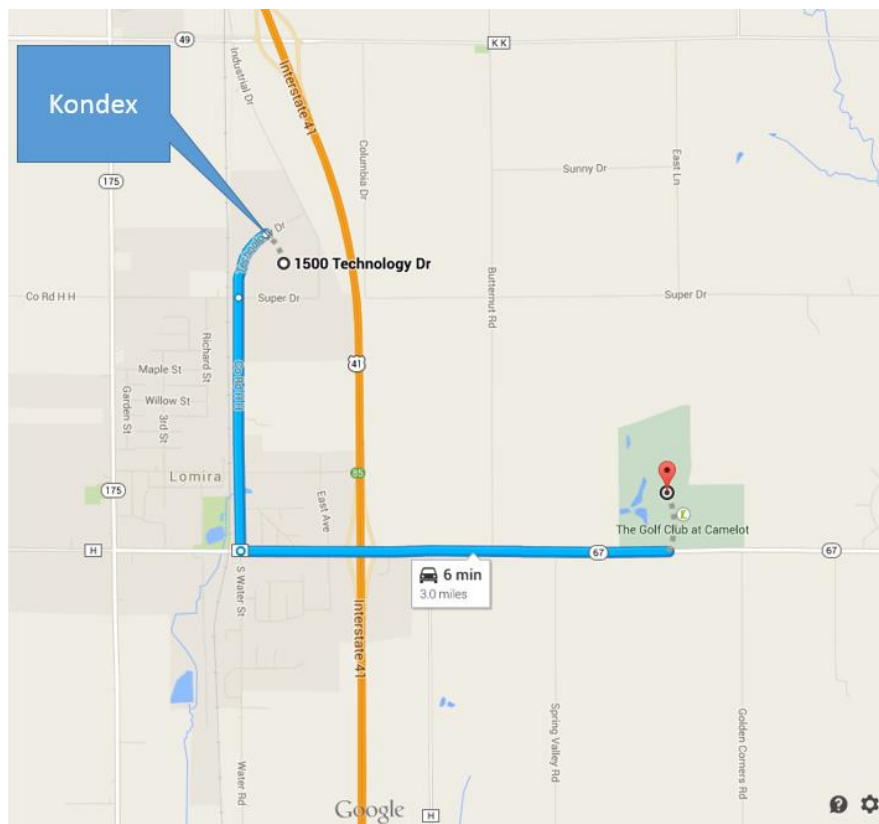
From Kondex: Head southwest on Technology drive for 3 blocks, continue onto Cty Rd HH for 1 mile, Turn Left onto WI Hwy 67 and arrive on the left after 1.7 miles.

From Fond du Lac:

Take Hwy 41 south to Hwy 67 - Lomira/Campbellsport Exit and turn left one mile. Camelot is on the left.

From Milwaukee:

Take Hwy 41 north to Hwy 67-Lomira/Campbellsport Exit. Turn right one mile. Camelot is on the left.

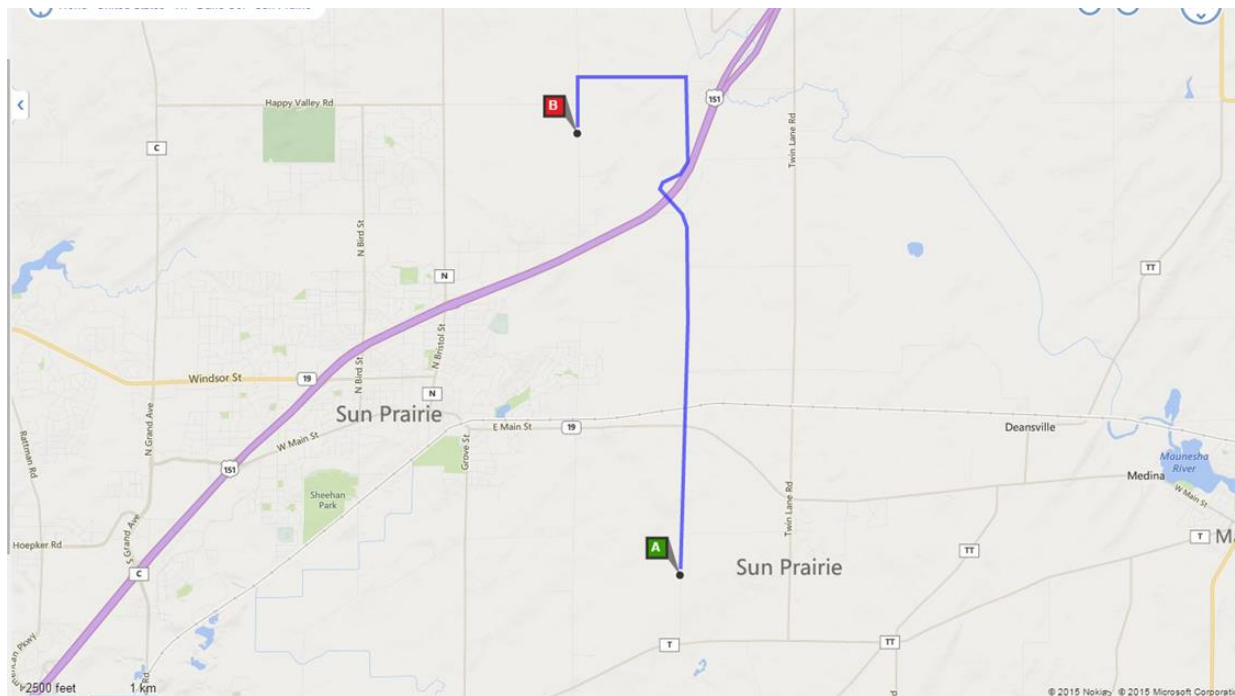


WALSAA Picnic at Renk Seed Farms

6809 Wilburn Rd, Sun Prairie, WI 53590

Save the Date: *Wednesday, August 26th 2015, 3-7pm*

ASABE members are again invited to attend WALSAA sponsored Farm Technology days picnic, held this year in Dane County. Join fellow alumni for a picnic after the farm show in Sun Prairie. Please see the ASABE summer newsletter, or visit www.walsaa.org for more details as they become available.



Locations A and B mark the Farm Technology Days grounds and WALSAA picnic locations, respectively.

Location A: Farm Technology Days grounds – 5707 County Road VV, Sun Prairie, WI

Location B: Renk Seed Farms – 6809 Wilburn Rd, Sun Prairie, WI

Secretary's Report

28April2015

The March 25th, 2015 ASABE Wisconsin Section Meeting and Annual Awards Banquet was held in conjunction with the WPS Farm Show in Oshkosh with the meeting and banquet at La Sure's Banquet Hall following the show. Prior to the meeting many members attended the Farm Show.

Ahead of a buffet style dinner Dr. Mark Borchardt, USDA-ARS gave a great presentation, "Human Infection Risk from Aerial Irrigation of Dairy Manure." The presentation generated good discussion when Dr. Borchardt opened up for questions. Overall the research and data suggests that human infection risk from aerial irrigation of dairy manure is very low. Check out the following website for more information: www.fyi.uwex.edu/manureirrigation/

A short business meeting was held. Officer reports and old business were quickly reviewed and approved. No new business items were discussed other than the announcement of the 2015-2016 officer team. Following the meal and business items the meeting concluded with the announcement and honoring of the 2015 Section award winners. The Milestone anniversaries were also announced. Below in this newsletter is a summary of all awards and new officers. Also visit the Wisconsin section website (www.wiasabe.org) for pictures and details.

Respectfully Submitted,

Garritt Boettcher

ASABE Wisconsin Section Secretary 2015-2016

Treasurer's Report

28April2015

Opening Balance

\$6142.84

Revenue:

<u>Date</u>	<u>From</u>	<u>Memo</u>	<u>Amount</u>
03/09/2015	Membership Dues	2 nd Reimbursement from HQ	\$1120.00
03/09/2015	Membership Dues	Dues Rebate Reimbursement from HQ	\$207.00
03/27/2015	Meeting Revenue	Pay at Door (25March2015)	\$675.00
04/28/2015	Meeting Revenue	Pre-Pay (25March2015)	\$250.00

Total: \$2252.00

Expenses:

<u>Date</u>	<u>To</u>	<u>Memo</u>	<u>Check #</u>	<u>Amount</u>
3/25/2015	Yi-Cheng Wang	Graduate Student Award	603	\$150.00
3/25/2015	Cyrus Nigon	Undergraduate Student Award	602	\$150.00
3/25/2015	Alyson Ries	Eng. Tech Award	601	\$150.00
3/25/2015	La Sure's Hall	Meeting and Meal	604	\$809.38
4/12/2015	Chris Tamm	Reimbursement for Awards	606	\$461.84

Total: \$1721.22

Closing Balance

\$6673.62

Respectfully Submitted,

Garritt Boettcher

ASABE Wisconsin Section Treasurer 2015-2016

2015 WI ASABE Awards

The following Wisconsin ASABE members were recognized for their contributions to engineering and their communities at the March 25th meeting.

Young Engineer Award –Naomi Bernstein

Wayne G. Russell Award - Dave Kammel

Biological Systems Engineering Graduate Student of the Year Award – Yi-Cheng Wang

Biological Systems Engineering Student of the Year Award – Cyrus Nigon

Engineering Technology Student of the Year Award – Alyson Ries

The following members were recognized for their **Milestone Membership Anniversaries**

25 Years

Vance Haugen

Stanley Solomon, Jr

Kenneth Ramsay

Rodney Zimmerman

Scott Queiser

Stanley McFarlane

40 Years

David Hess

60 Years

Calvin Cramer

Elmer Croisant

61 Years

Kenneth Fiske

64 Years

Frederick Buelow

Naomi Bernstein, PE is the recipient of the **2015 Young Engineer Award**. The purpose of this award is to recognize young Wisconsin Section members for their outstanding contributions to the advancement of the Agricultural and Biological Systems Engineering profession.



Naomi earned her bachelor's degree in Biological Systems Engineering from UW-Madison in December 2005, first joined ASABE in 2001. While a student she was extremely active in the UW-Madison ASABE student branch and served in many positions including President. Upon graduation Naomi became more involved with the Wisconsin Section, serving on the Nominating Committee, while also spending a lot of her free time serving ASABE at the national level. Naomi has served multiple roles for the Young Professional Community of ASABE including the Chair. Currently she serves as the Chair of Students to Professionals Task-Force, member of the Membership Development Council, Vice Chair of ECPD 414 (Engineering Licensure), Secretary of PASFA 403 (Dairy Facilitates and Systems), and Member of the Professional Engineering Institute of ASABE. In her free time, Naomi has helped write, review, and select questions for the Agricultural and Biological Professional Engineering Licensure Exam.

In 2010 Naomi earned her Professional Engineer License in Wisconsin and was awarded the Outstanding Alumni Award from the UW-Madison Association of Women in Agriculture for her career in agricultural engineering. In 2011 ASABE recognized her as one of the New Faces of Engineering.

Naomi currently works with Frontier-Servco FS, a division of Fortune 500 Company GROWMARK. Naomi works closely with agronomists and farmers around the state of Wisconsin designing solutions for waste and storm water management issues.

In her position, Naomi strives to protect the environment by providing expertise to farmers in construction and expansion, permitting requirements, and acting as a liaison between her clients and government agencies. This is no small feat in the face of every changing research, standards, and laws in these areas. Over the last ten years, at Frontier-Servco FS and her previous employer, Resource Engineering Associates, Inc., Naomi has completed more than 140 Engineering-Comprehensive Nutrient Management Plans, assisted with more than 40 construction projects, and managed multiple farm-expansion projects.

Naomi is truly inspirational to her peers and to the future engineers who will follow in her footsteps. The Wisconsin ASABE section is honored to have Naomi as a member of our section.

Congratulations Naomi!

Yi-Cheng Wang of UW-Madison is the recipient of the ***Biological Systems Engineering Graduate Student of the Year Award***. The purpose of this award is to recognize a graduate student enrolled in a Biological System Engineering program for singular achievement in developing and or advancing the technology of engineering for food and agriculture.



Yi-Cheng Wang is a PhD candidate and ASABE member at UW-Madison. He has been recognized by several organizations for excellence, including: the Institute of Food Technologists and Phi Tau Phi. Awarded grants include the WARF Discovery Challenge, Sigma Xi, and Vilas Research Travel Grant. Yi-Cheng Wang has submitted several Journal Articles, some under review and 3 accepted.

Yi-Cheng focuses on food safety, specifically food storage. He has developed a sensor called the nTHI (nanotechnology-based Thermo-History Indicator) that can be used to assess the thermal

abuse of foods and other biological materials. This cost effective method to monitor a product's temperature history has won him a UW-Madison Discovery to Product award and a "People's Choice" award in the 2014 Agricultural Innovation Prize competition. With this proactive technology the risk of foodborne illnesses can be reduced.

Yi-Chen's career goal is to become a professor or academic researcher devoting himself to the synthesis of nanomaterial and applying those nanomaterials to food safety and energy fields.

Congratulations Yi-Cheng!

Cyrus Nigon of UW-Madison is the recipient of the ***Biological Systems Engineering Student*** of the Year Award. The purpose of this award is to recognize an undergraduate student in preparation for a career in the profession.



Cyrus grew up on a dairy farm in Greenwood, WI and has a passion for agriculture. This strong foundation helped him realize his dreams and goals. His main goals include advancing agricultural machinery in a way to make farming safer and more profitable.

Cyrus is a junior at UW-Madison studying BSE with a Machinery Systems Specialization. He has been an ASABE member since his freshman year. Involvement includes the International Quarter Scale Competition and attending meetings and tours sponsored by the student branch. Cyrus has also taken leadership roles as Lawn Mower Clinic Co-Chair, currently serving as Webmaster and Public Relations Representative for the student branch.

Academically Cyrus has a very respectable GPA earning him spots on the Dean's List 4 of 5 semesters. He attributes his success to his love for learning and sharing his knowledge through his involvement in Engineering Expo and CALS Day for Kids.

Congratulations Cyrus!

Alyson Ries of UW-Platteville is the recipient of the ***Engineering Technology Student*** of the Year Award. The purpose of this award is to recognize an undergraduate enrolled in an Agricultural Engineering Technology, Agricultural Mechanization, or Agricultural Mechanization and Management program for achievement in preparation for a career in the profession.

Alyson joined ASABE September 2012 and attributed much of her success to being a part of the organization. As a freshman her goals were to become a well-rounded individual that employers would want to hire. She joined her ASABE student branch and instantly earned a leadership role as Treasurer. She helped raise funds to support the Quarter Scale Team at UW-Platteville and through this learned how to apply her organizational skills.

Currently Alyson is serving as Vice President and helping to organize the group to do more succession planning as underclassmen move into the leadership roles. With this effort she hopes to give new students the opportunity to network with other Ag Professionals, making them too, well rounded individuals.

Congratulations Alyson!

Dave Kammel has been selected as the recipient for the **Wayne G. Russell Award**. The purpose of this award is to recognize an individual or organization demonstrating exceptional commitment to helping the Wisconsin agricultural industry adopt new electric technology, farmstead mechanization, and farm equipment. The award is named after the late Wayne G. Russell who in the late 1950's, as a Rural Promotion Manager for Wisconsin Power and Light, formulated the idea for the Electric Power and Equipment Farm Show (now the Midwest Ag Expo).

David has worked in the general area of Dairy Modernization including: livestock housing - spacial arrangements, animal comfort, ventilation; manure handling; milking systems in particular "low cost milking parlors", farmstead planning; proper farm wiring including stray voltage; on farm chemical storage and mixing/loading pads; and TMR feed mixer selection.

David is known for having been instrumental, along with others, for fostering the adoption of the "low cost milking parlor" throughout Wisconsin. This concept allows a dairy producer to convert his/her existing stall barn into a milking parlor while continuing to use the existing milk house. This design helps the dairyman milk cows in a parlor while saving the significant initial cost that a new parlor would require. Since the animals housed in the barn are displaced, a new freestall barn is often used to provide housing. The milking parlor allows the dairyman to milk cows at about twice the rate per person as in the stall barn. This helps free up labor. The automated feeding systems used in freestall barns allows for faster feeding and less labor than in typical stall barns. The improved cow comfort of the freestall barn along with Total Mixed Ration feeding often results in increased milk production per cow. The combination of labor savings has allowed many adopters to milk at least twice as many cows with the same labor

force. The income from the larger herd and increased milk production per cow more than pays for the investments and allows the operator to make more profit. Other benefits of this system include: reduced stress on knees and backs of milkers, ability to more easily hire labor to milk cows, and a more attractive alternative to help keep family members employed in the business.

Dr. Kammel has worked with the Wisconsin Frame Builder Association throughout his career helping them organize their educational programs. Through this relationship, he has helped the rural builders of Wisconsin to adopt new technologies that benefit their sales and the clients for whom they build. Properly designed housing for dairy cows, transition cows and dairy replacements has improved animal comfort and dairy producer management and profitability.

Dr. Kammel has assumed several management roles throughout his career. Some of these positions included: UW Extension Dairy Team - Dairy Modernization Work Group chair, Co-Chair of the UW Extension Dairy Team, Co-Chair of the Education Committee for Farm Technology Days (twice) and Director for the Center for Dairy Profitability for six years. Through these positions he has lead groups to develop successful educational programs to the benefit of the Wisconsin dairy industry.

In addition to educating dairy producers and those serving the dairy industry of Wisconsin, he has made numerous presentations in other dairy states and at least eight foreign countries (some more than once) and many presentations to producers visiting from foreign countries.

Congratulations Dr.Kammel!

REGISTRATION PROCESS – WITH ONLINE PAYMENT!!!!

Click on the link <http://www.asabe.org/meetings-events/2015/05/wisconsin-section-meeting.aspx>

Meetings & Events

Register

For Presenters and Moderators
For Authors
Visa Information
Organizing an Event
Past ASABE Events

Wisconsin Section Meeting
Date: March 26, 2014
Location: Oshkosh, WI

The section meeting will be held in conjunction with the WPS Farm Show at La Sore's in Oshkosh.

4:15 pm - Social Hour (cash bar)
5:00 pm - Speaker
5:30 pm - Dinner follow by the Business Meeting and Awards Ceremony

Cost: \$25 (students are free). You may pay ahead of time online or at the door.

Please register by Friday, March 21.

Click "Register" which will take you a list of all the events... find our event and click "Member Login" or "Create a Non-member Account"

Online Event Registration

In order to receive the member rate, you must login with your ASABE member ID and password. If you were provided with a discount code, you can enter it during the registration process. If you are a non-member, but have been given an ASABE login name and password, please follow the "Member Login" link; you will be charged non-member rates for any events.

April 7-11, 2014	2014 Symposium on Evapotranspiration
>>> Member Login or Create a Non-member Account	
March 28-29, 2014	ASABE Intersectional Meeting 2014
>>> Member Login or Create a Non-member Account	
February 28, 2014	ASABE Oklahoma Section Meeting
>>> Member Login or Create a Non-member Account	
March 26, 2014	Wisconsin Section ASABE Meeting 2014
>>> Member Login or Create a Non-member Account	

1. If you are a member log in, if you are not a member create a non-member account.

Login

Username Password [Login](#)

☒ Keep me logged in

[Forgot Username/Password?](#)

Don't forget the default password is your 4 digit birth year + 2 digit birth month

2. Once you are logged in you will be taken to the following page
 - a. Update your contact information if needed
 - b. Click on "Start Registration Process"

Online Event Registration

Registered:

[Update contact information >>](#)

Event: Wisconsin Section ASABE Meeting 2014
March 26, 2014

You will be redirected away from the ASABE web site to register for the meeting.

[Start registration process >>](#)

3. The Registration process will take you through 3 pages
 - a. Page 1: Change your personal information if needed
 - b. Page 2:
 - i. Members and Guests, choose the Dinner for \$25
 - ii. Students, choose the student option for \$0
 - c. Page 3:
 - i. Members and Guests can enter their credit card or chose "pay at the door"
 - ii. Students just click the "finish" button to register
4. If you need to change your registration just log back in... you can change or cancel your registration online!

For those who don't want to register online.....

**REGISTRATION
SECTION MEETING
May 20th 2015**

Due by May 12th to Bryan Rowntree

Kondex Corporation Tour (free) – Please List Who Will Be Attending

_____	_____
_____	_____
_____	_____

Dinner at The Golf Club at Camelot

_____ **Number of Adults** X \$25/each = _____ **total \$**
_____ **Number of Students (free)**

Names

_____	_____
_____	_____
_____	_____

Return to: Bryan Rowntree 304 2nd Street Brodhead, WI 53520

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
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(608) 897-2131

Tom Hoffman
Kuhn North America
608-897-2131

Bob Pofahl
REA Engineering
(608) 831-5522

Nomination Committee

Bill Bassett
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Troy Runge
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608-890-3143