

QUAD CITY ASABE SECTION SPRING AWARDS MEETING

**Tuesday, March 20, 2018
5:00 – 8:00 PM**

**St. Ambrose University Rogalski Center
2nd Floor
518 W. Locust St
Davenport, IA 52803**

For questions- Carol Plouffe (309-738-0177)

REGISTRATION

QC ASABE Spring Awards Meeting

RSVP Online by Thursday, 15 March 2018

<https://www.eiseverywhere.com/qcawardsmtg>

MEETING FEES \$30

TO BE PAID ONLINE OR AT MEETING

MEETING AGENDA

4:30 PM	Registration
5:00 PM	Technical Session I
5:30 PM	Technical Session II
6:00 PM	Social Interaction
6:30 PM	Dinner
7:00 PM	Business Meeting
7:15 PM	After-Dinner Speaker
8:00 PM	Closing Remarks

2016-2017 OFFICERS

Chair:	Carol Plouffe
Chair Elect:	Jim Gessel
Past Chair:	Chance Corum
Secretary:	Tanisha Locklear
Treasurer:	Matt Wold
Awards:	David Smith
Membership:	Chance Corum
Newsletter:	David Smith
Communications:	Tanisha Locklear
Program:	Carol Plouffe
Meeting Arrangements:	Tyler Brammeier
QCESC Liaison:	Chance Corum
Scholarship:	Cody Freehill
Social Hour:	Mike Jendro
Young Professionals:	Bailley Thomas
Continuing Education:	Eric Drobny
Community Outreach:	Jim Gessel
Tour:	Open
Nominating:	Candace Popp Brad Vogtsberger Bailley Thomas

For meeting updates or general information, visit the
Section web site at: **<http://www.asabe.qcesc.org/>**

TECHNICAL SESSION I

EWI
Ultrasonic Additive Manufacturing

Matt Short



Matt Short is renowned within the manufacturing industry for his expertise in the fields of power ultrasound, plastic assembly, automated system design, tool and die design, and CAD/CAM systems. Matt's unique skills and experience in high-power ultrasonic systems, applications, and design have helped EWI's customers implement innovative technology and processes.

Prior to joining EWI, Matt served as an engineer for a machine builder specializing in automated plastic assembly equipment. During that time, he was a consultant to numerous automotive suppliers assisting in analyzing, designing, and implementing solutions to manufacturing problems.

Matt's focus at EWI has been on the uses of power ultrasound along with the advancement of ultrasonic additive manufacturing and other ultrasonic assisted processes. He has participated in programs focused on the expanded uses within aerospace, consumer products, automotive, and energy markets.

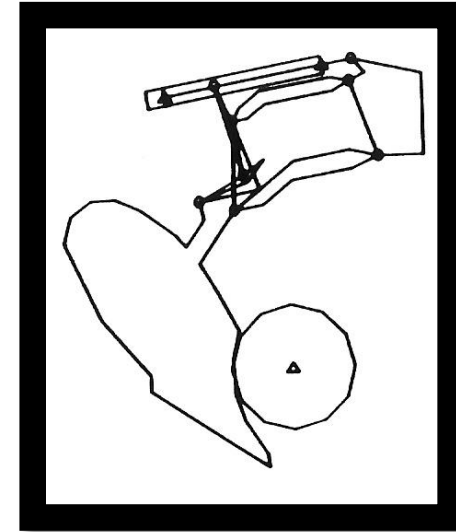
Matt continues to be a key contributor to the field of power ultrasound with ongoing developments in tooling, equipment design, ultrasonic soldering, and ultrasonic additive manufacturing. An EWI Technology Leader, he is responsible for directing EWI's ultrasonics group to develop novel uses of power ultrasound to benefit manufacturing.

Matt will be presenting on the diverse applications of power ultrasound in manufacturing, with particular focus on areas relevant to heavy equipment manufacturing.

TECHNICAL SESSION II

Plows, Patents, and Computer Aided Design

Jack Wiley



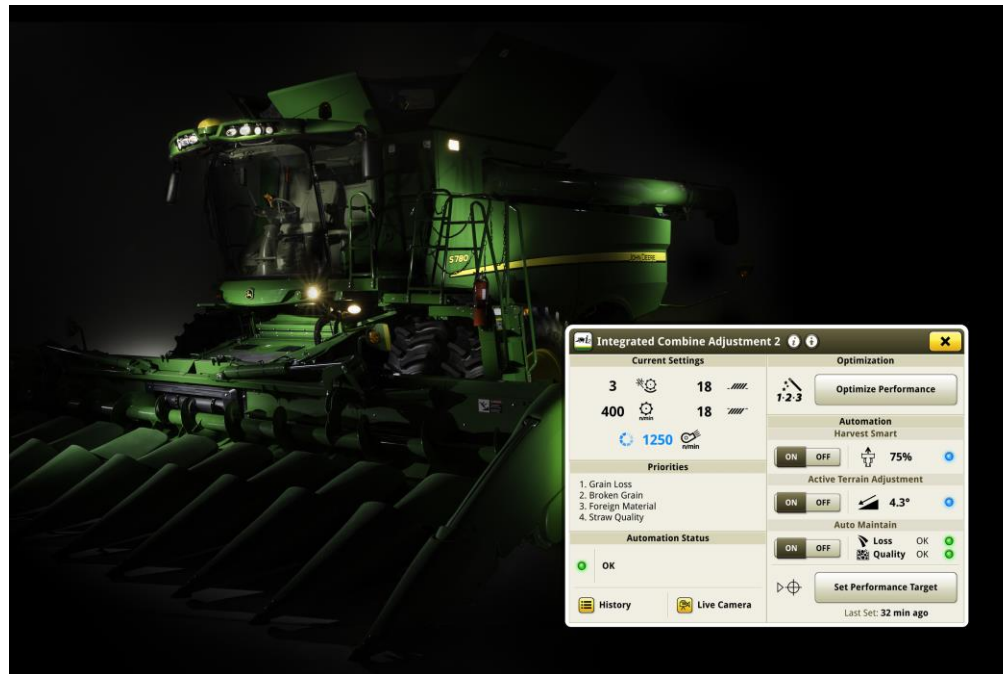
In the early and mid-70's, Deere and International Harvester were involved in a dispute over a patent held by IH for their design of a spring reset standard for moldboard plows. To help clarify the details of the reset behavior, computer based models were created in a joint effort by engineers at the Deere & Company Technical Center in Moline and at the Deere Plow and Planter Works. These mathematical models were in complete agreement with tests of actual plow standards. The success of these early experiences provided the basis for the design of an entirely new reset standard that was introduced on the Model 2700 plow. This was the first computer-aided mechanical design executed by John Deere engineers, a process used routinely throughout the organization today.

Jack grew up on a farm in southern Indiana and received degrees in Engineering from Purdue University and the University of Illinois. He began his career at the Deere & Company Technical Center in 1972 and retired in 2002 as a Principal Engineer at the Moline Technology Innovation Center. He was involved in Deere's early entry in Computer Aided Engineering starting with the reset plow analysis.

AFTER-DINNER SPEAKERS

John Deere S700 Combine

Stephen Corban, Victor Evjen & John Peters

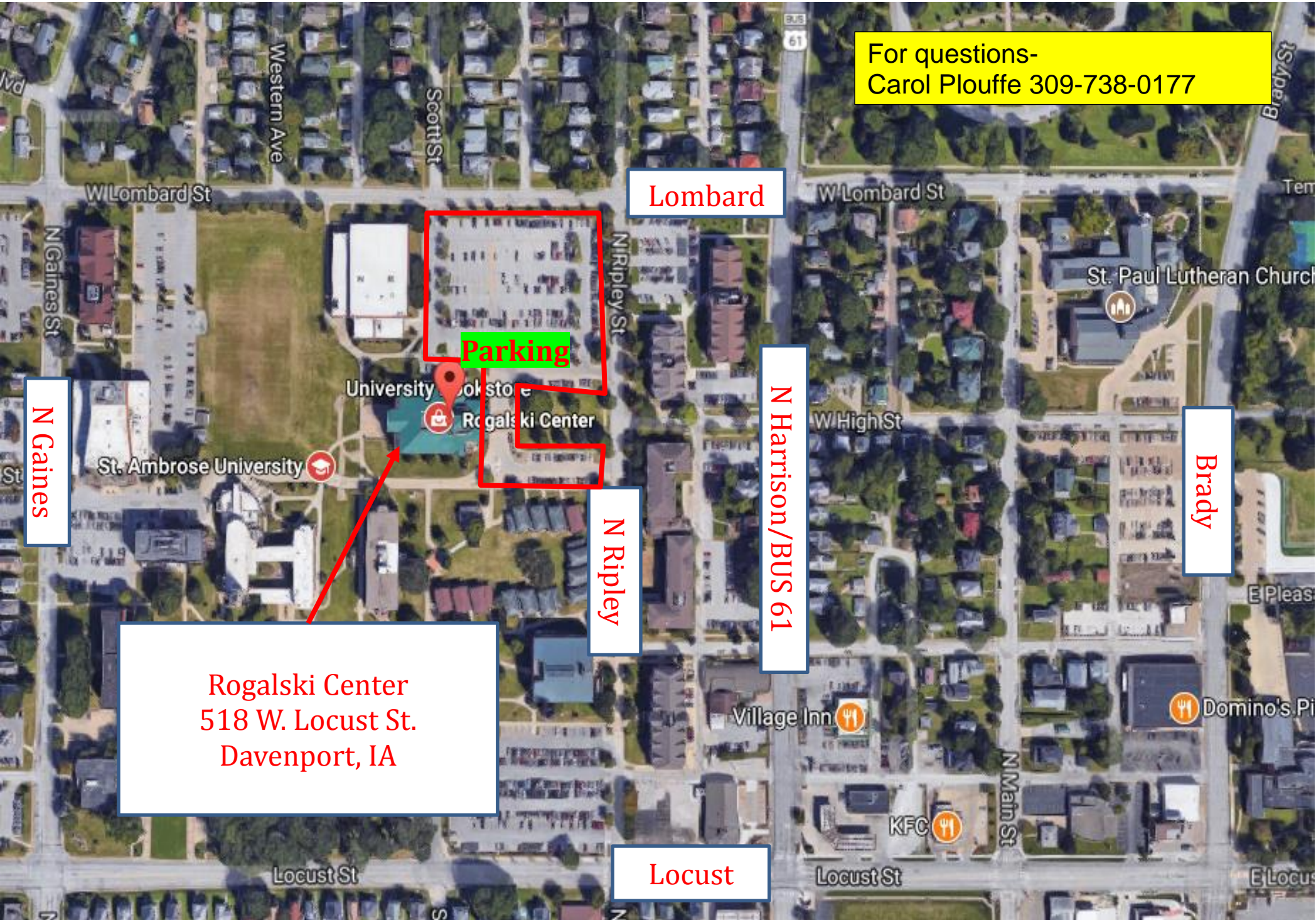


The John Deere S700 Combine brings innovative technology to machine optimization, precision harvest information, and automated control. Combine Advisor™ is a suite of seven technologies to set, optimize, and automate the combine. The system uses ActiveVision™ cameras to analyze grain quality and tailings, along with grain loss monitors, to maintain optimal combine performance. Rotor and fan speeds, concave, chaffer, and sieve clearances are automatically adjusted when conditions change. ActiveYield™ improves harvest information as it calibrates the yield monitor each time the grain tank fills, maximizing yield data accuracy. The S700 cab includes the intuitive Gen 4 CommandCenter™ display, customizable CommandArm™, a redesigned ergonomic multi-function control lever with customizable buttons, and a swivel seat for operator comfort.

Spring Awards

- Scholarship Recipient – Luke Soko
- Membership Longevity Awards:
 - 25 Years – Jim Hitch, Brian Maas, Bob Noth, Todd Van Hal and Todd Wehler
 - 40 Years – Daryl Cain, Tim Christensen, Mike Mossman, Steve Newbery, John Schraeder, Barrie Smith and Dave Wolak
- Acknowledgement of 50+ Year Members
- Patent Recipients
- Members of ASABE National Committees
- Young Member of the Year – Chance Corum
- Member of the Year – Mark Stickler
- Outstanding Engineering Achievement – John Deere S700 Combine - James Adamson, Jeffrey Bennett, Scott Clark, Stephen Corban, Ryan Dietz, Victor Evjen, Brian Maas, John Peters, Glenn Pope, Anne Ryerson and Joel Werling
- Past Section Chairs

Upon entering, take the stairs or elevator to the 2nd floor.



For questions-
Carol Plouffe 309-738-0177

Lombard

Parking

N Gaines

N Harrison/BUS 61

Brady

N Ripley

Rogalski Center
518 W. Locust St.
Davenport, IA

Locust