

82nd Annual SLSI Land Surveyors Conference

Thursday-Friday ~ March 7-8, 2019

Scheman Building ~Iowa State University ~Ames, IA

www.SLSI.org



SLSI Purpose:

- To advance the science of land surveying and mapping
- To raise the standards of land surveying practice
- To advance the professional status and economic welfare of land surveyors
- To contribute to the public education of the necessity for professional land surveying
- To establish a central source of reference for land surveyors

Register online at www.slsi.org

**(Members Must Login With Current Username & Password to Receive Member Rates)*

Earn 13.5 Professional Development Hours

AGENDA

THURSDAY, MARCH 7, 2019

- 8:00 AM **REGISTRATION/BREAKFAST/EXHIBITS OPEN FOR VIEWING**
Scheman Building, first floor lobby
Thursday Session - Presiding: Jeff Gaddis, PLS, Immediate Past President, SLSI
- 9:00 **WELCOME AND INTRODUCTIONS OF EXHIBITORS**
- 9:15 **NEW DATUMS 2022-REPLACING NAVD 88 NAD 83**
Dave Zenk, PE, PLS, National Geodetic Survey
- NAD 83 and NAVD 88, although still the official horizontal and vertical datums of the National Spatial Reference System (NSRS), have been identified as having shortcomings that are best addressed through defining new horizontal and vertical datums. The new reference frames (geometric and geopotential) will rely primarily Global Navigation Satellite Systems (GNSS) such as the Global Positioning System (GPS) as well as an updated and time-tracked geoid model. This paradigm will be easier and more cost-effective to maintain. Learn how the new datums may affect your work and how to prepare for the future.
- 10:00 **BREAK - EXHIBIT ROOM**
- 10:30 **IELSEB UPDATE**
Paul Herold, PLS, IELSEB Board Member
- 10:45 **NSPS PRESENTATION:**
Lisa Van Horn, NSPS President Elect
- What does NSPS do for every surveyor in the country? This session will look at some of the many programs that NSPS is doing for you.
- 11:20 **STATE OF SURVEYING IN IOWA**
Major Reports to SLSI Membership
- 12:00PM **LUNCH**
- Gavel Exchange
 - Present SLSI Awards & Scholarships
- 1:00PM **PROFESSIONAL ETHICS**
Rita Oerea, CEO & Founder, Rita Perea Leadership Consulting, Inc.
- To ensure the public's safety, the Iowa Code defines the importance and expectation of ethical behavior for licensed land surveyors. Attend this interactive presentation to learn about behaving ethically and professionally in a business context, the principles behind ethical decision making and putting ethics into practice as a licensed land surveyor. This two-hour presentation will satisfy State of Iowa's continuing education ethics requirement.

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- 3:00 PM **BREAK – EXHIBIT ROOM**
- 3:20 PM **DRONE TECHNOLOGY IN SURVEYING (**
Steve Zeets, CEO & Founder, Whirrx
- Steve will share his years of Surveying, Photogrammetry, and Drone experiences with the class. He will cover everything from getting your Part 107 FAA License, to picking the right drone for the right job, to correctly verifying drone data accuracy. The class will go away with a much better understanding of Drone Use in Surveying & Engineering Description coming soon.
- 5:00 PM **SOCIAL HOUR/CASH BAR – EXHIBIT HALL**
- 6:00 PM **LIVE AUCTION – HEAVY HORS D'OEUVRES**
CASH BAR-LOBBY
 Various surveying related, and non-related, items will be auctioned off to help raise money for the SLSI Scholarship fund.

AGENDA

FRIDAY, MARCH 8, 2019

- 7:30AM **CONTINENTAL BREAKFAST**
Scheman Building, Exhibit Hall
- Friday Session - Presiding: Dave Wilberding, PLS, Vice President, SLSI**
- 8:00 **RAILROAD SURVEYING 101**
Charlie Tucker, PLS
- A look at the basics of railroad surveying and boundary work that every surveyor, land/real estate and engineering professional should know, but frequently does not. This is not rocket science, but something that is rarely taught which causes problems when generations of hearsay, bad opinions and mis-information come to ruin your project. Presented is a common sense, fundamental knowledge based course with practical approaches that ends the guesses that results in an end to the bad guesses, assumptions and title errors that surveyors encounter in the field and in the office.
- 9:45 **BREAK-EXHIBIT ROOM**
- 10:15 **RAILROAD SURVEYING 101**
(CONTINUED) – Charlie Tucker, PLS
- 12:00PM **LUNCH**
- 1:00 **RAILROAD SURVEYING 101 (CONT.)**
 – Charlie Tucker, PLS
- 2:45 **BREAK**
- 3:00 **RAILROAD SURVEYING 101 (CONT.)**
 – Charlie Tucker, PLS
- 4:30 **ADJOURN**

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FRIDAY MAIN SPEAKER

Charlie Tucker, PLS

Charlie Tucker has been working in the railroad environment since 1981 either as a railroad employee or a railroad consultant. A product of the Surveying program at Ohio State and the Civil Engineering programs at Ohio State and Cincinnati, he has worked all over the United States in various capacities. He has helped shortline railroads get established in multiple locations (including the Iowa NorthWestern Railroad at Spirit Lake, IA), continues to do work for the Class 1 railroads, rail-trail corridor owners and also works with the law departments of multiple railroads, usually as an expert witness in boundary law cases. Charlie is a member of the American Railway Engineering and Maintenance Association (AREMA) and has volunteered his time as an instructor since 1996 in over 30 states. In addition, Charlie is an active member of PLSC (Colorado), NSPS and the Colorado railroad Museum/Richardson Library.

AUCTION ITEMS



Help the Iowa Surveyor's Foundation! Feel free to donate items for the annual meeting auction benefiting the Iowa Professional Surveyor's Foundation scholarships. Items auctioned in the past have included everything from old surveying equipment and books to such things as sports memorabilia and computer software. You may also make a monetary donation online at SLSI.org under the About Us/Foundation Tab. Please contact Justin Scott at the state office with item description @ 515-284-7055 or email at INFO@SLSI.ORG.

HOTEL RESERVATIONS

Lodging in Ames: Please make your own lodging arrangements. Lodging in and around Ames can be found at [WWW.VISITAMES.COM/COME AND STAY/](http://WWW.VISITAMES.COM/COME_AND_STAY/)

CANCELLATIONS

Receive a refund minus a \$20 administrative fee if you cancel your registration by March 1, 2019. No refunds will be made after March 1; may substitute at any time. Due to the statewide audience of this conference, planning involved and Iowa State Center deadlines, this program will proceed as planned regardless of weather. Refunds will not be given for no-shows.

*PHOTO COMPETITION - PRIZES

Annual photo competition! We hope to make this annual event, but that depends on your participation. **There will be three categories**, only one of which may require any photographic talents. However, the one requirement is all photos must have been taken by the person submitting the photo



Category 1 – Surveying Related Photos

This is a broad category. It could be an interesting or humorous photo of surveyors at work, or unusual surveying challenges or, maybe surveying equipment.

Category 2 – Monumentation

Photos may be interesting discoveries you have made when searching or finding monumentation. These photos may have a historical significance or, maybe, just made you laugh or scratch your head in wonder.

Category 3 – Scenic

This category is for the land surveyor who not just enjoys the challenge of land surveying, but sees the beauty in the scenery in which you practice your profession.

To Enter:

1. Send SLSI an "intent to enter" notice to info@slsi.org identifying an estimate of the number of photos you may submit.
2. Bring a copy of the photo(s) to the annual conference. **Photos accepted up to must be 11"x17"**.
3. The photos will be on display at the annual conference. Attendees will be given the opportunity to vote on their favorite(s) throughout the day on March 8.
4. The winning photos will be auctioned on Wednesday night at the SLSI Foundation auction. The photographers will be asked to provide the winning bidder with an electronic version of the photo so the winning bidder may choose to have the photo printed in a different size at their own expense.
6. **The winner of each category will receive \$50** and a receipt for a tax-deductible contribution for the amount the photos sell for at the auction.

TO REGISTER: REGISTER ONLINE @

WWW.SLSI.ORG BY CREDIT CARD OR

CHECK! PAPER REGISTRATIONS – A

Processing fee of \$20: To register by paper, complete the form and mail with check to SLSI at address listed on registration form.

For questions about the program, registrations, etc., please contact the SLSI office at 515-284-7055 or by email at info@slsi.org

Register online at www.slsi.org

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SOCIETY OF LAND SURVEYORS OF IOWA
 100 COURT AVENUE, SUITE 203
 DES MOINES, IA 50309

82nd Annual Land Surveyors Conference March 7-8, 2019 - Ames, Iowa

TO RECEIVE THE SLSI MEMBER RATE - SIGN IN AND REGISTER ONLINE @

WWW.SLSI.ORG PAY BY CREDIT CARD OR CHECK.

PAPER REGISTRATIONS: **\$20 PROCESSING FEE** (To register by paper, complete form and mail with check to SLSI):

 First Name Last Name

 Company/Organization

 Mailing Address

 City State Zip

 Phone # Fax Email

REGISTRATION FEES: Includes program materials, all meals and breaks on both days, along with the reception.

***Please indicate (X) if you will be attending the Auction/Reception on Thursday evening March 7, 2019:**

	<u>BY MARCH 1, 2019</u>	<u>AFTER MARCH 1, 2019</u>
<input type="checkbox"/> SLSI Member	\$275	\$290
<input type="checkbox"/> Non-member	\$330	\$360
<input type="checkbox"/> SLSI Honorary & Life Members	\$100	\$115
<input type="checkbox"/> Students (SLSI Member)	\$45	\$65
(Non Member)	\$65	\$85
<input type="checkbox"/> *Add \$20 if NOT Registering Online	\$20	\$20
TOTAL PAYMENT	\$ _____	\$ _____

Method of Payment
 Check: Payable to SLSI Check # _____

REGISTER ONLINE @
WWW.SLSI.ORG and
save \$20 on Registration
Remit Paper
Registrations To: SLSI-
 100 Court Ave., Suite 203,
 Des Moines, IA 50309
 ?'s: Call 515-284-7055

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