



North Dakota Society of Professional Land Surveyors
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www.ndspls.org

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NDSPLS
41ST ANNUAL CONVENTION
FEBRUARY 5-7, 2020
DELTA BY MARRIOTT, FARGO

MEET THE PRESENTERS

Don Borcharding, is a licensed Professional Engineer and Surveyor in Minnesota and Iowa. He is a graduate of Iowa State University, retired President of Yaggy Colby Associates, Past President of the Minnesota Society of Professional Surveyors, Past Member of the State Professional Licensure Board, and past adjunct professor at St. Cloud State University. He has received Professional Awards as both Surveyor and Engineer of the Year. Don has spent over 40 years researching Surveying History and gives frequent presentations as Captain Andrew Talcott, of the Corp of Engineers (1818 – 1836). He was hired as the Chief Surveyor and Astronomer for the survey of the Northern Border of Iowa in 1852. For his talk (Iowa Minnesota Border Survey 1852), Captain Talcott will be reminiscing about the survey he was in charge of in 1852. He will explain the difficulties in organizing the crews, their responsibilities, instruments and methods used in establishing the border as the parallel of latitude of 43 degrees 30 minutes north. He will also explain the township surveys and some of the original settlers in Alamakee County.

Laura Cronquist has worked as an epidemiologist at the North Dakota Department of Health (NDDoH) since 2015. As the Enteric/Vectorborne/Zoonotic Disease Epidemiologist with the NDDoH's Division of Disease Control, she helps coordinate statewide surveillance and prevention efforts for a wide variety of diseases.

Aaron Hummert received a Bachelors of Science in Construction Management from Southern Illinois University Edwardsville (SIUE) He also received 27 credit hours of land survey specific coursework through Great Basin College (GBC). Aaron was initially licensed in North Dakota in 2011 and is currently licensed in six states. He is also a Certified Federal Surveyor. After graduating from SIUE, he went to work for Interstate Engineering in Sidney, Montana. He worked on numerous oil and gas surveys, boundary surveys, topographic surveys, and construction surveys in Northeast MT and Northwest ND. Currently, he is the survey manager for the Mandan and Beulah offices. His focus at Interstate has been boundary surveys, coordinating surveys in support of engineering projects, surveys for NDDOT related projects, oil and gas surveys, and he has done some expert witness work with regards to boundary disputes. Aaron is also adjunct faculty at Bismarck State College where he teaches a course on boundary and cadastral surveying. He has been very involved in NDSPLS including serving on several committees, legislative initiatives, and as Past-President.

John Matonich, PS is retired from ROWE Professional Services Company, a firm specializing in consulting engineering, surveying, planning, landscape architecture, aerial photogrammetry in the Midwest and across the country. John joined ROWE in 1981. He was named a principal in 1992, promoted to president in 1997, and to chief executive officer in 2001 as well as Chairmen in 2006. John retired from management of the firm in 2016, but continues to serve on the firm's Board of Directors. John is licensed as a professional surveyor in Michigan, Ohio, and Wisconsin. He served as president of the National Society of Professional Surveyors, (NSPS) in 2009-2010, and currently serves as the treasurer of the Board of the Wisconsin Society of Land Surveyors. John is a past president of the Michigan Society of Professional Surveyors (MSPS). He also served as chairman of the Government Affairs Committee for the National Society of Professional Surveyors (NSPS) headquartered in Washington, D.C for over 20 years until 2015. John was voted as a Fellow Member of the NSPS.

Ladd Nelson joined Carlson Software in 2007 and is the Director of Midwest Sales for Carlson Software. He has been serving the Land Surveying and Civil Engineering markets since 1991 and has technical experience covering product development and design, sales, technical support along with product implementation and training. Mr. Nelson's interest in computers and his Civil Engineering Degree from the University of Wisconsin-Platteville gave him the opportunity to pursue a career in software development for land surveyors and civil engineers. For over twenty five years, Ladd has been providing his clients with technical support and on-site training. His background also includes land survey experience and he is working to build a strong dealer/client base in the upper Midwest portion of the United States and is based near Dubuque, IA.

Ladd has previously been an Officer and Board member for the IntelliCAD Technology Consortium and currently serves on the Board of Directors of the Open Design, a non-profit organization comprised of member companies who are committed to open industry-standard formats for the exchange of CAD data and to the maintenance of valuable data stored by design systems. In his spare time, he is actively involved in charitable fund-raising efforts, is an avid home-brewer and enjoys a relaxing game of golf and spending time outdoors on or near the Mississippi River with his wife and two children.

John "Steve" Parrish began surveying with the U.S. Forest Service in 1963, passed the Utah PLS exam in 1973 and worked as a land surveyor with the USFS through 1984. He transferred to the U.S. Bureau of Land Management in 1985 and eventually served as the BLM Nevada Cadastral Chief (1989-1995). He retired from the federal government in 1995 to further his surveying experience in the private sector. Steve is licensed in 10 states, a Nevada water rights surveyor and the contract county surveyor for Alpine and Mono Counties in California. He is a contributor to "The Surveying Handbook" edited by Brinker and Minnick, has presented workshops in 27 States, Canada and Australia and was an instructor for the BLM/FS Advanced Cadastral Survey Courses during its initial 12 years. With 56 years of land surveying knowledge and experience Steve offers land surveying workshops, consulting, and expert witness testimony. He worked for Tri State Surveying (NV) for 13 years, was an adjunct professor for Great Basin College (NV) 2004-2016, became a Certified Federal Surveyor (CFedS) in 2007 and completed a Bachelor of Applied Science degree in 2009. He presently serves as the CFedS Panel Chairperson/Training Coordinator and is employed with Lumas & Associates in Reno, Nevada. Steve is active in state and national surveying organizations and enjoys traveling with his family, photography and fishing.

Joey Scmit is the President/CEO of Flight Pros, a UAS (drone) services provider offering flight services, program training, data collection and data processing. He has been building, flying and utilizing UAS technology and a multitude of sensors including RGB, NDVI, and Thermal. Joey has been active in the UAS sector since 2012, has over 400 hours of flight time and is a Certified sUAS Thermographer.

Seth Simonson graduated from NDSCS with a degree in Land Surveying and Civil Engineering Technology in 2011, and from there began a career at Moore Engineering as a CAD Technician. In 2014 Seth accepted a position at NDSCS as an instructor in the Land Surveying and Civil Engineering Technology department. While at NDSCS he was put in charge of developing the UAS (Unmanned Aircraft Systems) program which has now become a 1-year certificate program covering topics in photogrammetry, LiDAR, multispectral imaging, thermal imaging, photography and videography. In 2017 he started up a drone service provider company, Precise Sensing, specializing in photogrammetric mapping and LiDAR.

Kevin Wallevand has been a Reporter at WDAY-TV since 1983. He is a native of Vining, Minnesota in Otter Tail County. His series and documentary work have brought him to Africa, Vietnam, Haiti, Kosovo, South America, Mongolia and the Middle East. He is an Emmy and Edward R. Murrow award recipient.

Dave Zenk Dave Zenk is a Geodesist with the National Geodetic Survey, serving as Regional Geodetic Advisor for the Northern Plains Region (MN, ND, SD, IA, NE). He holds Bachelor of Science Degrees in Civil Engineering and Mechanical Engineering from the University of Minnesota and a Master's Degree in Land Surveying from Oregon State University. He has served as adjunct faculty at the University of Minnesota Geography Department and at Saint Cloud State University Geography Department. He is a past Chair of the Minnesota GIS/LIS Consortium. He is currently serving as Editor of the MSPS "Minnesota Surveyor" magazine. He is licensed as a Registered Land Surveyor and Professional Engineer in the State of Minnesota.

CONVENTION AGENDA

Wednesday, February 5, 2020

- 8:00 am Board Meeting (Sonata II)
8:00 am Registration opens/ Exhibitors Set Up (Crystal II)
10:00 am **Welcome by Fargo Mayor - Dr. Tim Mahoney**
(Crystal I)
10:15 am Annual Meeting (Crystal I)
12:00 pm Lunch - *Kevin Wallevand* (Symphony Hall)
1:00 pm **History of the 5th PM** with *Don Borcharding*
(Crystal I)
1:50 pm Break & Exhibits
2:10 pm **Lewis and Clark** with *Don Borcharding* (Crystal I)
3:00 pm Break & Exhibits
3:20 pm **NGS Update** with *Dave Zenk* (Crystal I)
4:10 pm Break & Exhibits
4:30 pm **Board of Registration Update** with *Matt Weeks*
(Crystal I)
5:20 pm Social & Cash Bar (Crystal II)
6:30 pm Exhibitors Social (Crystal II)
8:00 pm EAP Auction with *Don Rezac Auctioneer* (Crystal II)
10:00 pm Social & Cash Bar until midnight (Crystal II)

Thursday, February 6, 2020

- 7:00 am Past President Breakfast (Signature 2)
7:30 am Registration
8:00 am *Concurrent Sessions:*
CFED Program with *Steve Parish* (Crystal I)
Technical Session—UAS with *Seth Simonson*
and *Joey Scmit* (Crystal III)
9:40 am Break & Exhibits
10:00 am *Concurrent Sessions:*
CFED Program with *Steve Parish* (Crystal I)
Technical Session—Carlson (Lidar)
with *Ladd Nelson* (Crystal III)
10:50 am Break & Exhibits
11:10 am *Concurrent Sessions:*
CFED Program with *Steve Parish* (Crystal I)
Technical Session: Bugs & Diseases
with *Laura Cronquist* (Crystal III)
12:00 pm Lunch & Speaker & Exhibits (Symphony Hall)
ND/MT Border with *Aaron Hummert*
1:00 pm *Concurrent Afternoon Sessions:*
CFED Program with *Steve Parish* (Crystal I)
Technical Session: Deeds and Descriptions
with *John Matonich* (Crystal III)
1:50 pm Break & Exhibits
2:10 pm Afternoon Sessions Continue
3:00 pm Break & Exhibitor wrap-up
3:20 pm Afternoon Sessions Continue
4:10 pm Break
4:30 pm Afternoon Sessions Continue
5:20 pm Session Ends

(Thursday Continued...)

- 5:20 pm Social (Symphony Hall)
6:30 pm Banquet/Gun Raffle/Awards (Symphony Hall)
8:00 pm Entertainment—Larry O. Comedy Show
9:00 pm Social & Cash Bar until midnight
(Symphony Hall)

Friday, February 7, 2020

- 8:00 am **Ethics** with *John Matonich* (Crystal I)
8:50 am Break
9:00 am **Ethics** with *John Matonich* (Crystal I)
9:50 am Break
10:00 am **Billing & Collecting Fees** with *John Matonich*
(Crystal I)
10:50 am Break
11:00 am Resume Annual Meeting (Crystal I)
12:00 pm Convention Closes

NOTE: Program and times are subject to change.
All times listed are Central Standard Time

CEU Credits: Be sure to sign in at each session to receive
your PDH credits.

FOUNDATION AUCTION

Don't forget to bring items for the Education Assistance Program (EAP) Auction. Each year the NDSPLS EAP gives out various monetary awards to deserving students. This award is based on demonstrated interest in land surveying, probability of success in completing the land surveying curriculum and financial need.

HOTEL INFORMATION

A block of rooms and special group rate has been reserved at the **Delta by Marriott, Fargo**
1635 42nd Street SW, Fargo, ND 58103

Call: 701-277-9000

Room block expires on January 7th

The web page for our group reservation is:
[https://www.marriott.com/event-reservations/
reservation-link.mi?
id=1569013059467&key=GRP&app=resvlink](https://www.marriott.com/event-reservations/reservation-link.mi?id=1569013059467&key=GRP&app=resvlink)

REGISTRATION INFORMATION

Register today to ensure a place and materials for the NDSPLS Annual Convention.

NOTE: Refunds will be given only if cancellation is made prior to 1/22/20 - No substitutions after 1/22/20

► **by Mail:**

Mail your registration form and **checks payable** to:..... **NDSPLS**
PO Box 7370, Bismarck, ND 58507

► **Online:**

Registration is available online at www.ndspls.org. Log on to pay by credit card.

► **by E-mail:**

Email the below information to..... info@ndspls.org

► **Special Accommodations/Meals:**

NDSPLS is committed to providing access to all individuals attending the conference. Those needing any special accommodations or dietary needs or restrictions should email info@ndspls.org prior to January 20th, 2020.

REGISTRATION FORM

The Deadline for registrations is **January 27, 2020**. **All registrations postmarked after January 27th will be assessed a \$20 late registration fee.** Please type or write legibly. No substitutions after 1/22/2020.

Name / Designation

Guest Name & Banquet Meal Choice

Address

City/State/Zip

Employer

Contact Phone # or Email

Guests will be assessed meal charges of \$23 for lunch and \$38 for the banquet. Guests must be reserved in ADVANCE or they will be assessed a \$20 late registration fee - no substitutions. Students are free but **MUST** pre-register.

Convention (*please check one - select banquet meal below*)

BY CHECK

- \$275 Member includes meals listed below
- \$325 Non-Member includes meals listed below
- \$38 Guest Banquet (Students—free)
- \$23 Guest Lunch (Students—free)

BY PAY PAL/CREDIT CARD ONLINE REGISTRATION

- \$284 Member includes meals listed below
- \$335 Non-Member includes meals listed below
- \$40 Guest Banquet
- \$24 Guest Lunch (Students—free)

Meal Information:

Your registration includes lunch and social on Wednesday, breakfast, lunch, and banquet on Thursday, and a light breakfast on Friday.

Please choose your meal selection for the banquet Thursday evening:

- _____ **Burgundy Beef**
- _____ **Stuffed Chicken Breast**
- _____ **Pan-Seared Walleye**

If you have a special meal request please email info@ndspls.org before January 20th

Totals: (Complete only if paying by CHECK)

_____ Member Registration @ \$275	\$ _____
_____ Non-Member Registration @ \$325	\$ _____
_____ Guest Banquet @ \$38	\$ _____
_____ Guest Luncheon @ \$23	\$ _____
After January 27th add \$20	\$ _____
TOTAL FEES ENCLOSED	\$ _____

HOTEL RESERVATIONS

A block of rooms have been reserved at the Delta by Marriott in Fargo
Call 701-277-9000 to reserve your room in the block.

Let them know you are with ND Society of Professional Land Surveyors when making reservations. Block of rooms will be held until January 7, 2020

Questions? Call the NDSPLS central office at 701-223-3184 or email stacy@scgnd.com