

# REGISTRATION

## Sign Up Form

	Before April 2	After April 2
<input type="checkbox"/> NDSPE Member Entire Conference (Includes Banquet)	\$175.00	\$200.00
<input type="checkbox"/> Non Member Entire Conference (Includes Banquet)	\$225.00	\$250.00
<input type="checkbox"/> Student Rate—Entire Conference	\$50.00	\$75.00
<input type="checkbox"/> Banquet Tickets (each)	\$35.00	\$50.00
<input type="checkbox"/> Order of Engineer Ring	\$20.00	n/a
<input type="checkbox"/> Ring Size		
<b>TOTAL</b>		

Company

Name & Designation

Address

City, State, Zip

Phone Fax





Email

**Please mail with Check to:**  
 NDSPE  
 1720 Burnt Boat Drive, Suite 205  
 PO Box 712  
 Bismarck, ND 58502  
 701.222.3499

**No Refunds after April 2nd**

# SPONSORSHIP

NDSPE is graciously requesting your support of the conference. Sponsorship opportunities are due by March 30th, 2018:

-  **Platinum Sponsorship \$1,500—Gold plus 1** free conference registration (\$250 Value)
-  **Gold \$1,000 + Silver plus** Sign at Conference + (1) year NEW Licensed Membership to NDSPE & NSPE (\$220 value)
-  **Silver Sponsor \$500 - Bronze plus** Hyperlink on Web + (1) year NEW Licensed Associate Membership to NDSPE (\$90 value)
-  **Bronze Sponsor \$250 -** Graphic Listing + (1) year NEW Affiliate membership to NDSPE (\$90 value)

Company

Name & Designation

Address

City/State/Zip

Phone

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Payment Enclosed:  Check \_\_\_\_\_

Mail check/email logo and links to:  
**NDSPE**  
**1720 Burnt Boat Drive, Suite 205**  
**PO Box 712**  
**Bismarck, ND 58502**  
**Phone: 701.222.3499**  
**Website: [www.ndspe.org](http://www.ndspe.org)**  
**Email: [info@ndspe.org](mailto:info@ndspe.org)**

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 Bismarck, ND 58501

N.D.S.P.E.  
 1720 Burnt Boat Drive, Suite 205  
 Bismarck, ND 58503



# 77th

## ANNUAL CONFERENCE

**North Dakota Society  
of Professional Engineers  
April 16-18, 2018**

Grand Hotel  
 1505 N Broadway  
 Minot, ND 58703  
 Phone: 800.735.4493  
**Hosted By: Chapter 2 – Minot**

**North Dakota Society of Professional Engineers**  
*A State Society of the National Society of  
Professional Engineers*



*We don't make engineers, we make engineering leaders*

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# A G E N D A — N D S P E A N N U A L M E E T I N G

## Monday, April 16, 2018

4:00 PM NDSPE Board Meeting (General Membership Invited)

6:00-9:00 PM Conference Kickoff Social - Grand Ballroom

## Tuesday, April 17, 2018

7:15 AM Registration Opens

7:30-8:00 AM Breakfast

8:00 AM NDSPE Welcome by **Mayor Chuck Barney**,  
NDSPE President & Introduction of Dignitaries

8:15 AM Education Session 1  
**Ryan Callahan**, Central Power  
*High Voltage Transmission Line & Electrical Substation  
Design Process*

9:15 AM Break

9:30 AM Education Session 2  
**Jason Zilka & Chad Englehart**, KBM GeoSpatial, LLC.  
*Remote Sensing Methods for Power Line Corridor  
Mapping*

10:30 AM Break

10:45 AM NDSPE Annual Meeting

11:45 AM Lunch  
NSPE Update

1:00 PM Education Session 3  
**Aaron Birst & Genny Dienstmann**, NDACO.  
HR for the Professional Office

2:00-5:00 PM Education Session 4 (Tour)  
**Lance Meyer**, City of Minot  
Water Treatment Plant & Flood Control Structures

6:00 PM Banquet Social  
6:30 PM Banquet Meal  
Keynote Speaker from Minot Air Force Base  
7:30 PM Awards Presentation, Installation of Officers,  
and POY Presentation

## Wednesday, April 18, 2018

7:00 AM Breakfast Buffet

7:00-8:00 AM  
Education Foundation Board Meeting (Board Members)

8:15 AM Education Session 5  
**Stewart Kelly**, Minot State University  
*Ethics in a Modern World*

9:15 AM Break

9:30 AM Education Session 6  
**Jonathan Beyer & Todd Frerichs**, US Fish & Wildlife Service  
*101 on US Fish & Wildlife Wetland and Grassland Easements*

10:30 AM Break

10:45 AM Education Session 7  
**Tom Birney**, FEMA  
*Everything LOMC: From Filling Out Elevation Certificates,  
Use of LiDAR in the Application Process, Applying for FEMA  
Map Change and How to do Your Own Map Change and  
Make Extra Money Doing It*

12:15 PM Closing Remarks and Conclusion

12:30 PM NDSPE Board of Directors Lunch Meeting  
(Invite only)

**For more information, or to pay by credit card  
please visit our website at [WWW.NDSPE.ORG](http://WWW.NDSPE.ORG)**

**For Hotel Accommodations contact:  
Grand Hotel  
1505 N Broadway, Minot, ND 58703  
Phone: 800.735.4493  
\*Ask for NDSPE Group Rate**

### Ryan Callahan, PE

**Ryan Callahan** is the Chief Transmission Engineer for Central Power Electric Cooperative, Inc. in Minot, ND since 2006 and has been a licensed in both Wisconsin and North Dakota as a Professional Engineer for the last 12.0 years. Central Power is a wholesale power supply and transmission company that provides bulk power needs to its 6 distribution members throughout the state of North Dakota. Central Power facilities includes 169 delivery points, 25 owner and 10 partially owned transmission substations and approximately 1400 miles of transmission lines connected throughout a fairly large service territory. Ryan grew up just outside of Grand Forks, ND on a small farm near Manvel and received his Bachelor and Master degrees in Civil/Structural Engineering from the University of North Dakota in 2001. Go Fighting Hawks!! After receiving his degrees, Ryan moved to Wisconsin and accepted a Line Design Engineer position at American Transmission Company, a high voltage transmission power company, that served electrical power primarily in Wisconsin but also UP of Michigan and Illinois in a much smaller capacity. Ryan is married to his wife, Jen, for the last 15-plus years and have 2 boys (Nolan (11) and Brayden (6)). The Callahan Family has enjoyed raising their kids in the Minot area and are active with the many winter and summer outdoor activities that one can partake in such as fishing, hunting, water sports, skiing, hockey, baseball and softball. Ryan's goal in life is to work hard to succeed in his professional career and to maintain a happy and healthy home for his family. Central Power Electric Cooperative, Inc. has a great staff and work environment to be a part of; which, makes going to work that much more enjoyable.

### Jason Zilka, CMS

**Jason Zilka** is the Director of Aerial Services for KBM GeoSpatial, LLC and is an ASPRS-Certified Mapping Scientist with more than 18 years of experience in GIS, IT and CADD. Jason grew up in Warren, MN, a small town located approximately 30 miles from Grand Forks, ND. He received his Bachelor of Science in Industrial Technology from the University of North Dakota in 1996. After graduation, Jason started his career in the Minneapolis area. Since 2004, he has been with KBM GeoSpatial (formerly KBM, Inc.) supporting and managing a variety of GIS, mapping, estimating, planning, and design activities with projects including transmission line design, LiDAR modeling, line rerating, data compilation and coordination, mapping, and project management and most recently was named Director of Aerial Services for the company. Jason is married to his wife, Kristin, of almost 23 years and has 4 children. The Zilka's live in Grand Forks and enjoy hanging out at the lake, crafting, fishing and various other sports, especially sled hockey and playing with their dogs.

### Chad Englehart

**Chad Englehart** has over 16 years of Surveying, Aerial Mapping, sUAS, LiDAR and GIS experience, from the urban areas of southern California to the rural farmland of North Dakota and Minnesota. Chad's experience has included an array of forms—from field survey control, LiDAR processing and classification for roadway design and utility corridors to inspection and modeling with sUAS data. In 2014 Chad joined KBM Geospatial as lead LiDAR processor and has standardized their workflow of processing LiDAR data and Post Processing GNSS/IMU data. He earned his A.A.S. in Land Surveying and Civil Engineering Technology in 2003 from North Dakota State College of Science.

### Aaron Birst, Legal Counsel

**Aaron Birst** graduated with distinction in 2001 from the University of North Dakota School of Law. Currently, Aaron is legal counsel for the Association of Counties where he provides legislative services and support to all of North Dakota Counties. Additionally, Aaron serves as the Executive Director for the North Dakota State's Attorneys Association and works on a contract for the Department of Transportation to provide support to law enforcement and prosecutors in the area of traffic safety. The Traffic Safety Resource Prosecutor (TSRP) program was adopted by the National Highway Traffic Safety Administration (NHTSA) as a way to help reduce and eliminate traffic fatalities on our nation's highways. Previously, Aaron was a prosecutor in both Cass and Stutsman counties where he practiced all areas of criminal law. Aaron received his B.S. in History Education from North Dakota State University in 1998.

### Genny Dienstmann, CAE

**Genny Dienstmann** is the Assistant Director of Operations for the ND Association of Counties, overseeing the areas of human resources, finance and administration, and building operations. She also serves as Executive Director of the ND Association of County Engineers. Genny received her B.S. in Accounting and Business Administration from the University of Mary in 1995 and achieved her Certified Association Executive distinction (CAE) from the American Society of Association Executives (ASAE) in 2005.

### Lance Meyer, PE

**Lance Meyer** is the City Engineer for the City of Minot, and has held the position since June of 2011. He has been employed with the city since 2009. From 2007 to 2009, Lance was a civil engineer with Bonestroo in St. Paul, MN. During the flood of 2011, Lance coordinated survey teams and consulting engineers, administered City consultant contracts, analyzed impacts to City infrastructure due to flooding, coordinated repairs to federal aid infrastructure systems, coordinated the demolition of flood damaged homes, and is presently assisting with flood recovery planning. In addition, Lance has the monumental task of overseeing the engineering aspects of the rapid growth the City of Minot is currently experiencing. He holds a B.S. in Civil Engineering from North Dakota State University and is a licensed professional engineer in the State of North Dakota.

### Stewart Kelly

**Stewart Kelly** grew up on the New Jersey shore. Received a B.A. in philosophy at Vanderbilt University and an M.A. and a Ph.D. in philosophy at the University of Notre Dame. Stewart has been teaching at Minot State for 31 years. In December, his third book (this one on postmodernism) was published. Stewart is married with two grown daughters. *"And yes, I was at the historic Viking playoff game last month!"*

### Jonathan Beyer

**Jonathan Beyer** is a Wetland District Manager at Audubon National Wildlife Refuge and Wetland Management District in Coleharbor, ND. His primary job duties are administer, manage, and enforce USFWS wetland and grassland easement provisions within the Audubon Wetland Management District in Ward, McLean, and Sheridan Counties in Central North Dakota. Jonathan has a total of 13 years (8 1/2 in North Dakota at Audubon NWR) of experience with National Wildlife Refuge System. He obtained his B.S. in Fisheries and Wildlife from the University of Minnesota, Twin Cities. Jonathan has professional interest in wetland and grassland habitat protection; along with developing partnerships with landowners to protect and enhance wildlife habitats. In his spare time he enjoys hunting, fishing, basketball, archery, and biking with his family.

### Todd Frerichs

**Todd Frerichs** is a Project Leader at Audubon National Wildlife Refuge and Wetland Management District in Coleharbor, ND. His primary job duties are supervise and lead the administration and management of National Wildlife Refuges, Waterfowl Production Areas, and Easements on the Audubon National Wildlife Refuge and Wetland Management District in Central North Dakota. Todd has a total of 29 years (24 on Wetland Management Districts in ND and SD) of experience with National Wildlife Refuge System. He obtained a B.S. in Wildlife and fisheries Science with a minor in Range Science from South Dakota State University. Todd grew up on a small family farm/ranch in northeast SD. He tries to combine that background with his conservation experience to have a positive effect on the landscape through wetland and grassland habitat protection and management. He enjoys developing and managing conservation programs that work on a landscape primarily privately owned. Todd enjoys hunting, fishing, and living a rural lifestyle.

### Tom Birney, CFM

**Tom Birney** has a diverse background within the National Flood Insurance Program (NFIP) with over 15 years of program experience. Originally from Los Angeles, California, he attended Whitman College in Walla Walla, Washington and received a B.A. in Geology. After graduation, he moved to Denver, Colorado where he received a B.S. in Land Use and recently finished his Master's Degree in Emergency Planning and Response. Tom began working in the NFIP field as a flood zone determination analysts for two years and then moved to Michael Baker where he worked for seven years as the MT-1 LOMA Manager for FEMA Regions 8, 9, and 10. He then worked with Accenture as the Regional Program Management Lead for the Risk Analysis branch within FEMA Region 8. Tom has been working for the last 4 years with the FM&I branch in Denver where he is responsible for NFIP matters in South Dakota.