

**Attention Aspiring Licensed**  
**Land Surveyors!**

New this year will be an expanded Pre-Exam Workshop. In addition to our standard pre-exam preparation programs, we have built in 3 additional programs geared towards areas of study outlined on the NCEES Exam Specifications.

- *NCEES Application and Testing Procedures*– Jon Carrell, Mark Streit, and Matt Tinkham
- *NCEES Fundamentals of Surveying (FS) Exam Preparation*– Jon Carrell, Mark Streit, and Matt Tinkham
- *NCEES Principles of Surveying (PS) Exam Preparation*– Jon Carrell, Mark Streit, and Matt Tinkham
- *Nebraska State Specific Exam Prep*– Jon Carrell, Mark Streit, and Matt Tinkham
- *GIS Pre-Exam Workshop– GIS Terms and Concepts*– Joe Sather, LS
- *Aerial Services Related to Survey*– Jamie Young, CP, CLS-L, GISP
- *Geodesy 101*, David Zenk, PE, LS

*(please see additional flyer for full schedule, program descriptions and presenter biographies)*

*A block of rooms has been reserved for PSAN at the Holiday Inn at \$99.95. Please let the Holiday Inn know you are with PSAN when making reservations.*

*There are numerous other hotels, many within walking distance to the Holiday Inn Conference Center.*

*Seminar fees include Thursday lunch, Friday lunch, and Thursday evening banquet meal.*

*There will be no organized spouse's program at this seminar.*

*In the event of a participant cancellation, a refund may be requested in writing to PSAN Administrative Secretary, Connie Arnold. Costs already incurred by PSAN for meals may not be refunded. The actual amount refunded will be determined by the PSAN Conference Committee.*

*The PSAN Conference Committee and Conference Hosts are seeking donations and auction items for the Scholarship Auction on Thursday evening. Please contact PSAN for more details.*

PSAN  
Connie Arnold, Administrative Secretary  
813 Marian Rose Ave.  
Herman, NE 68029-4055  
402.870.1738  
402.456.7370

Email: [PSAN@nebraskasurveyor.com](mailto:PSAN@nebraskasurveyor.com)  
Website: [www.nebraskasurveyor.com](http://www.nebraskasurveyor.com)

# Professional Surveyors Association of Nebraska

**2018**

## **Winter Seminar**



**Thursday & Friday  
February 8 & 9, 2018**

**15 Possible Professional  
Development Hours**

**Holiday Inn Conference Center  
110 South 2nd Avenue  
Kearney, NE 68847  
308.237.5971**

***Visit [www.nebraskasurveyor.com](http://www.nebraskasurveyor.com) for the complete schedule, presentation descriptions, and presenter biographies.***

Hosts:  
Trenton Snow  
Jeremy Feusner

## Registration Form

Please fill out the entire form, detach and mail with payment to: **Connie Arnold, 813 Marian Rose Ave., Herman, NE 68029-4055.** Make checks payable to **PSAN**. Please use one registration form for each person attending the seminar and make additional copies as necessary. Please register before the deadline.

**Registrations must be received by January 25th, 2018.**

### 2018 Winter Seminar

PSAN Member in Advance - \$150 \_\_\_\_\_

Non-Member in Advance - \$150 \_\_\_\_\_

PSAN Member at the event - \$170 \_\_\_\_\_

Non-Member at the event - \$170 \_\_\_\_\_

SCC Land Surveying Student - \$0 \_\_\_\_\_

Do you plan to attend Thursday Evening Banquet?

Yes \_\_\_\_\_ No \_\_\_\_\_

Additional lunch tickets - \$15 \_\_\_\_\_

Additional Thursday Evening Banquet Tickets - \$25 \_\_\_\_\_

Total amount enclosed: \_\_\_\_\_

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Complete Mailing Address:

\_\_\_\_\_

LS No.: \_\_\_\_\_ SIT No.: \_\_\_\_\_

Email:

\_\_\_\_\_

## Keynote Speaker



### Jeffrey N. Lucas, PLS, ESQ

Jeffery N. Lucas is in private practice in Birmingham, Alabama. Lucas has been in the surveying business since 1976. He is a licensed land surveyor registered in Alabama, Florida, Georgia, Mississippi and Tennessee. Lucas is a licensed attorney and was admitted to the Alabama State Bar in 2003. Lucas is the author of "Alabama Boundary Law," "The Pincushion Effect, The Multiple Monument Dilemma in American Land Surveying" and "Illinois Boundary Law." He has also authored over 100 articles on surveying and boundary issues and writes a regular column for P.O.B. Magazine since 2004. He is currently the Alabama Division Manager for ESP Associates, P.A.

Presentations include:

***How to Make a Boundary Determination that Will Win in Court (1/2 day)***

***Ethics for Land Surveyors and Engineers (1/2 day)***

## Break-out Sessions

*(please see additional flyer for full schedule, program descriptions and presenter biographies)*

- *The History of the American Survey Monument-* Jerry Penry, LS
- *Interesting Discoveries by the GLO Surveyors in Nebraska-* Jerry Penry, LS
- *Closing the Deal-* Gene Thomsen, LS
- *A Trip into Professionalism-* Ryan Dickinson, LS
- *An Interactive Class on the Interactive Map-* Chuck Chase, CFM
- *EC Phone Home-* Chuck Chase, CFM
- *What is Remote Sensing...as it relates to surveying and what you do?-* Jamie Young, CP,CLS-L, GISP
- *NGS and the Land Surveyor-* David Zenk, PE, LS
- *Tree Identification in Nebraska-* Rachel Allison, Southwest District Forester
- *Working with Point Clouds and Drone Data-* Jim Reinbold, Carlson Software

**Plus a Mock Trial by Kearney Attorney  
Patrick J. Nelson!**

# PSAN CONFERENCE SCHEDULE FEBRUARY 8 - 9, 2018

## THURSDAY FEBRUARY 8, 2018

7:00 - 8:00	REGISTRATION	PRE-FUNCTION AREA	
8:00 - 8:15	WELCOME & ANNOUNCEMENTS	Ballroom 1	
8:15 - 9:30	GENERAL ASSEMBLY BUSINESS MEETING		
9:30 - 10:00	BREAK/EXHIBITS	PRE-FUNCTION AREA	
10:00 - 12:00	BREAK OUT SESSIONS	<b>Working with Point Clouds and Drone Data</b> Jim Reinbold Stateroom D	<b>An Interactive Class on the Interactive Map</b> Chuck Chase Stateroom E
		<b>The History of the American Survey Monument</b> Jerry Penry Stateroom F	<b>NCEES Application &amp; Testing Procedures</b> Jon Carrell, Mark Streit, Matt Tinkham Exec. Room (2nd Floor)
12:00 - 1:00	LUNCH	Ballroom 1	
1:00 - 2:45	MOCK TRIAL PRESENTATION	<b>Mock Trial</b> Pat Nelson Ballroom 1	<b>NCEES FS Exam Prep</b> Jon Carrell, Mark Streit, Matt Tinkham Exec. Room (2nd Floor)
2:45 - 3:15	BREAK/EXHIBITS	PRE-FUNCTION AREA	
3:30 - 5:00	BREAK OUT SESSIONS	<b>Closing the Deal</b> Gene Thomsen Stateroom D	<b>EC Phone Home</b> Chuck Chase Stateroom E
		<b>Interesting Discoveries by the GLO Surveyors In Nebraska</b> Jerry Penry Stateroom F	<b>GIS Pre-exam Workshop – GIS Terms and Concepts</b> Joe Sather Exec. Room (2nd Floor)
5:00 - 6:00	SOCIAL HOUR	PRE-FUNCTION AREA	
6:00 - 9:00	DINNER, AWARDS BANQUET, AND AUCTION	Ballroom 1	

PSAN CONFERENCE SCHEDULE FEBRUARY 8 - 9, 2018

**FRIDAY FEBRUARY 9, 2018**

8:00 - 9:45	KEYNOTE SPEAKER	<b>How to Make a Boundary Determination That Will Win in Court (Part 1)</b> Jeffery N. Lucas Ballroom 1	<b>Aerial Services Related to Survey</b> Jamie Young Exec. Room (2nd Floor)
9:45 - 10:15	BREAK/VENDORS	PRE-FUNCTION AREA	
10:15 - 12:00	KEYNOTE SPEAKER	<b>How to Make a Boundary Determination That Will Win in Court (Part 2)</b> Jeffery N. Lucas Ballroom 1	<b>Geodesy 101</b> David Zenk Exec. Room (2nd Floor)
12:00 - 1:00	LUNCH	Ballroom 1	
1:00 - 2:45	BREAK OUT SESSIONS	<b>What is Remote Sensing...as it relates to surveying and what you do?</b> Jamie Young Stateroom D	<b>NGS and the Land Surveyor</b> David Zenk Stateroom E
		<b>Ethics for Land Surveyors and Engineers (Part 1)</b> Jeffery N. Lucas Stateroom F	<b>NCEES PS Exam Prep</b> Jon Carrell, Mark Streit, Matt Tinkham Exec. Room (2nd Floor)
2:45 - 3:00	BREAK/EXHIBITS	PRE-FUNCTION AREA	
3:00 - 4:45	BREAK OUT SESSIONS	<b>Tree Identification in Nebraska</b> Rachel Allison, SW District Forester Stateroom D	<b>A Trip into Professionalism</b> Ryan Dickinson Stateroom E
		<b>Ethics for Land Surveyors and Engineers (Part 2)</b> Jeffery N. Lucas Stateroom F	<b>Nebraska State Specific Exam Prep</b> Jon Carrell, Mark Streit, Matt Tinkham Exec. Room (2nd Floor)

## **PROGRAM DESCRIPTIONS** **PSAN 2018 WINTER SEMINAR**



### **How to Make a Boundary Determination that Will Win in Court**

*presented by Jeffrey N. Lucas*

What are the important issues to know and understand in order to make a boundary determination that will win in court, should you find yourself in court defending your map of survey and your opinion on the location of the property boundaries involved? What is the evidence standard that will be applied, the standard of care for professional surveyors in court, and what is the criterion for boundary determinations? This course studies the relevant evidence standards, different types of evidence, the standard of care, and explores the process of rendering a well-reasoned opinion on the only question that is within the purview of the retracing surveyor—the location question. The importance of deeds in and the role they have in boundary determination, the interpretation of deeds, finding intent, and how and when the boundary establishment doctrines come into play. The “Ultimate Issue Rule” will be discussed and its importance relative boundary determinations and liability. If you eventually find yourself in court over a boundary dispute, losing in court is not an option. The boundary surveyor who has rendered a well-reasoned opinion on the boundaries based on the law and the facts, is in a much better position to win in court than the surveyor who simply applied math and

measurements as taken from a deed. Power Point Presentation

### **Ethics for Land Surveyors and Engineers**

*presented by Jeffrey N. Lucas*

Utilizing the Surveyor’s Creed and Canons adopted by the National Society of Professional Land Surveyors as a basis for discussion, this seminar will study ethical consideration in everyday practice. Real cases involving real surveyors will be discussed and explored for the ethical issues that they contain. Some hypothetical situations are also discussed. This seminar usually generates plenty of discussion over the case scenarios and the actions of the surveyors involved. Power Point presentation.

### **The History of the American Survey Monument**

*presented by Jerry Penry, LS*

The monument is the culmination of the surveyor’s work. It is the only permanent marker left to evidence where elevations, triangulation routes, and boundary lines were defined. This topic explores the historical role the monument has played in surveying with emphasis on those used to define boundaries. From the early pits and mounds, to iron posts, to modern monuments with radio frequency tags, the monument has followed technology. Nebraska played a key role in establishing the use of iron monuments as the standard for government surveys. Learn of the numerous patents that were filed to make a better monument. There will also be a thorough review of the current requirements in place in Nebraska regarding the monument.

### **Interesting Discoveries by the GLO Surveyors in Nebraska**

*presented by Jerry Penry, LS*

The Government Land Office surveyors documented some of the earliest historical items in Nebraska whose locations might have otherwise been later overlooked. In addition to describing the vast amount of geological formations and waterways, surveyors noted the exact locations of trails and immigration routes, remains of fossilized animals, mysterious fortifications, Native American villages, magnificent trees, and the earliest settlements. This topic will reveal some of the more interesting discoveries noted by the original surveyors as they documented every area of the state.

### **Closing the Deal**

*presented by Gene Thomsen, LS*

This session will discuss the procedures of setting closing corners and computing the curvature of the standard parallels. This will be a problem solving activity, so participants will need to bring a calculator, pencil and paper. At the end of the session, participants should have the information that you will be able to be use out in the field.

### **A Trip into Professionalism**

*presented by Ryan Dickinson, LS*

Finding yourself as the defendant in litigation might possibly be a surveyor’s worst nightmare. In this session, Ryan Dickinson will discuss Bixenmann v. Dickinson Land Surveyors, and the Nebraska Supreme Court analysis and conclusion that affects all registered land surveyors in Nebraska.

### **An Interactive Class on the Interactive Map**

*presented by Chuck Chase, CFM*

Understanding the tools on NeDNR's new interactive map and how they can make your work easier. Participants are welcome to bring a laptop or tablet for this session to participate in an exercise on creating a BFE.

### **EC Phone Home**

*presented by Chuck Chase, CFM*

It may be easier to get lost in an Elevation Certificate than to get lost in the Galaxy. This class will help you avoid the most common pitfalls on the EC.

### **What is Remote Sensing...as it relates to surveying and what you do?**

*presented by Jamie Young, CP, CLS-L, GISP*

This session will cover LiDAR, photogrammetry, drones and other remote sensed data and how to use it. How do we use these technologies to solve problems for our mapping and survey clients. A high level overview of the processing data work flow and specifications will be discussed. Additionally, aspects of how to write the specifications of a remote sensing project will be reviewed.

### **NGS and the Land Surveyor**

*presented by David Zenk, PE, LS*

#### **Topic 1--New Datums: Replacing NAVD 88 and NAD 83**

NAVD 88 and NAD 83, which are still the official vertical and horizontal 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 (geopotential and geometric) will rely primarily on 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.

#### **Topic 2--Preparation for the New Datums**

There are several specific actions to prepare for the release of the new datums in 2022. Suggested actions include: State Law Review and Modifications; State Plane Coordinate Impacts; Low Distortion Projections proposal; Improve current Geoid Models and Future Transformations by Observations on Existing Horizontal and Vertical Marks; and Additional CORS as part of National CORS.

#### **Topic 3--Recovery and Preservation of Existing Passive Mark Network**

The new datums will rely on GNSS and a high accuracy geoid model. However, current datums will still be defined by the passive mark network. Because transformations to/from future datums are not perfect, surveyors will continue to rely on the physical marks now and in the future. Use of OPUS SHARE and DSWORLD for recovery and submission to NGS are important tools for

preserving the existing network. The presentation will show detailed use of the tools and if possible, a live demonstration of the tools will be included.

### **Tree Identification in Nebraska**

*presented by Rachel Allison, Southwest District Forester*

If you can differentiate between trees as deciduous or coniferous you're already on your way to distinguishing different types of trees. This session will help you learn some of the common and scientific names of trees that are found in Nebraska. Tree identification or dendrology is like any other science; identifying plants through classification and nomenclature (naming of plants). A dichotomous key is used to distinguish one tree from another studying their leaves, bark, branches, flowers and fruit; and even their habit and habitat. A hands-on portion of the session will provide an opportunity to look at some samples and advance your skills in identifying trees.

### **Working with Point Clouds and Drone Data**

*Transit Works & Carlson Software  
presented by Jim Reinbold, Carlson Software*

In this session we will look at options provided by Carlson Software to work with data collected with drones and scanners. The capabilities and differences between Carlson Point Cloud and Precision 3D will be discussed to help attendees see what to look for when looking for solutions to their needs. Topics covered will include file formats, file clean up and mesh (surface) creation, Field to Finish and getting it all back to CAD for use in drawing production and design.

## **Aspiring LS Track and Pre-Exam Workshop**

### **GIS Pre-exam Workshop – GIS Terms and Concepts**

*presented by Joe Sather, LS*

This presentation will be focused on a high level view of Geographic Information Systems, and what it's relevance is to the land surveyor. This presentation will focus on broad concepts and terminology to aid in exam preparation. Visual aids will be used to clarify different topics.

### **Aerial Services Related to Survey**

*presented by Jamie Young, CP, CLS-L, GISP*

This session will discuss how survey is applied to different Remote Sensing technologies including LiDAR and Photogrammetry. Components of how to plan a flight will be discussed as it relates to survey. Survey control plans and other aspects of aerial services will be discussed. These topics will help young surveyors prepare for the FS exam.

### **Geodesy 101**

*presented by David Zenk, PE, LS*

This presentation will be a review of basic theory, satellite positioning, gravity, coordinate systems, datums, and map projections, with a focus on the NCEES Syllabus.

### **NCEES Application and Testing Procedures\***

*presented by Jon Carrell, Mark Streit and Matt Tinkham*

This session will discuss the testing centers and test procedures. Presenters will go over how to fill out the "My NCEES". Presenters will also walk through the NCEES website and highlight some of the important information participants can find at that site. (1 Hour)

### **NCEES Fundamentals of Surveying (FS) Exam Preparation\***

*presented by Jon Carrell, Mark Streit and Matt Tinkham*

Study guides will be provided for this session. Presenters will review as many questions as time allows from the study guide. Presenters will also discuss some tricks and tools to use to help pass the exam. (3 Hours)

### **NCEES Principles of Surveying (PS) Exam**

#### **Preparation\***

*presented by Jon Carrell, Mark Streit and Matt Tinkham*

Study guides will be provided for this session. Presenters will review as many questions as time allows can from the study guide. Presenters will also discuss some tricks and tools to use to help pass the exam. (1.5 Hours)

### **Nebraska State Specific Exam Prep\***

*presented by Jon Carrell, Mark Streit and Matt Tinkham*

A state specific study guide will be provided for this session. Presenters will review the application process. Presenters will show the participants what they will need for the open book exam and where to find that information. Presenters will also review the study guide and answers. (2.5 Hours)

*\*Note: These exam preparation sessions will not follow the exact break and class schedule as provided. These sessions are intended to all be taken together. Presenters will provide breaks as necessary throughout their sessions.*



## **PRESENTER BIOS** **PSAN 2018 WINTER SEMINAR**

### **Jeffrey N. Lucas, PLS, ESQ**



Jeffery N. Lucas is in private practice in Birmingham, Alabama. Lucas has been in the surveying business since 1976. He is a licensed land surveyor registered in Alabama, Florida, Georgia, Mississippi and Tennessee. Lucas is a licensed attorney and was admitted to the Alabama State

Bar in 2003. Lucas is the author of "Alabama Boundary Law," "The Pincushion Effect, The Multiple Monument Dilemma in American Land Surveying" and "Illinois Boundary Law." He has also authored over 100 articles on surveying and boundary issues and writes a regular column for P.O.B. Magazine since 2004. He is currently the Alabama Division Manager for ESP Associates, P.A.

### **Jerry Penry, LS**



Jerry is a licensed land surveyor in Nebraska and South Dakota with over 30 years of experience in surveying. He grew up in north central Nebraska and then attended Southeast Community College in Milford. Initially, Jerry worked for private engineering

companies in Lincoln for 13 years, and currently, has been employed at Lancaster Engineering since 1997. Jerry specializes in boundary surveying and section corner research, recovery, and monumentation. A frequent contributor to The American Surveyor magazine, Jerry has authored over forty professional articles. He has been a guest speaker on surveying in several states and has hosted conferences with working seminars in the field. Jerry has authored several books on the topics

of WWII and railroad history in addition to surveying. He currently lives in Lincoln, Nebraska, with his wife Jenny.

### **Patrick J. Nelson, ESQ**



Mr. Nelson has been practicing law in Nebraska. He began as a general practitioner and continues in areas of commercial law, probate law, and real estate law, both transactional and litigation. A significant portion of his practice is devoted to land river issues, including boundary and ownership matters.

Authentic and judicious in his approach to the law, Mr. Nelson has defended cases with dedication to his clients and their causes. Mr. Nelson is involved in continuing legal educational programs, presenting courses about real estate law, real estate litigation, boundary law litigation and pretrial discovery — and delivers seminars regarding boundary law and other real estate law areas. He is active in community organizations and is dedicated to contributing to Kearney and the surrounding area. Raised in Laramie, Wyoming before moving to Nebraska, Mr. Nelson appreciates & embodies the work ethic and friendly spirit of the Midwest.

### **Chuck Chase, CFM**



Chuck Chase is the Floodplain Outreach Coordinator for the Nebraska Department of Natural Resources and a Certified Floodplain Manager. Chuck presents training & outreach programs and helps local communities with implementing the NFIP. Chuck is a retired Coast Guard

Chief and formerly an Exercise Training Officer for the Nebraska Emergency Management Agency. He is on the board for the Nebraska Floodplain and Storm water Manager's Association. Chuck has a BS in Education (go Peru Bobcats) and an MS in Quality

Systems Management. Chuck's favorite part of his job is meeting new people: getting to know them and their communities.

### **David Zenk, PE, LS**



David 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.

### **Joe Sather, LS**



Joe is a licensed land surveyor with JEO Consulting Group, Inc., in the Wahoo office. He has been at JEO for 11 years. He does a wide variety of tasks within the survey department, as well as other departments within his company. He has found that his

knowledge of GIS and AutoCAD have been very beneficial to his work by finding efficient data management workflows. Joe is currently serving as President of the Nebraska GIS/LIS Association.



**Jamie Young, CP, CMS-L, GISP**



James Wilder Young (Jamie) CP, CMS-L, GISP is currently a Senior Geomatics Technologist for Merrick & Co. located in Greenwood Village, Colorado. He is currently supporting all aspects of LiDAR technology development and is lead for all HDS and Drone functions. His

experience includes all aspects of LiDAR including sensor development, applications development, data acquisition, data processing and project management. He graduated from The University of Colorado.

**Rachel Allison, Southwest District Forester**



Rachel Allison is the southwest district forester for the Nebraska Forest Service; she works at the University’s West Central Research & Extension Center in North Platte. Her primary responsibilities are to coordinate statewide the insect survey for the Emerald ash borer and other pest concerns and also to coordinate the “Coffee with a Forester Workshop” program. In addition, Rachel works with private landowners to provide technical assistance in windbreak renovation and fuel reduction practices. Being a longtime employee with the NFS, Rachel also has many other ongoing projects and calls from people and groups with questions about forest and tree health problems particularly in regard to proper planting and care for trees.

During her spare time, Rachel works in the Memorial Gardens of the Glenn Viehmeyer Arboretum at the University Center. These four large beds showcase the trees, shrubs and other plant material recommended for southwest Nebraska as suggested by the Nebraska Statewide Arboretum.

**Gene Thomsen, LS**



Gene Thomsen is a life-long resident of Nebraska who grew up on a farm between Fairmont and Exeter, Nebraska. He attended Kearney State College, and graduated from Southeast Community College with an Associate’s degree in Civil

Engineering and Surveying. Gene worked in private practice before joining the Nebraska Department of Roads Design Division in 1974. He is a Registered Land Surveyor in Nebraska and became a Deputy State Surveyor in 1987. Gene’s interest in survey history has inspired him to write articles for the Professional Surveyors Association of Nebraska as well as “Nebraska History” published by the Nebraska State Historical Society.

**Ryan E. Dickinson, LS**



Ryan E. Dickinson is in private practice in Ogallala, Nebraska. Dickinson has been in the surveying business since 1989. He is a Licensed Land Surveyor in Nebraska and Colorado. He grew up in Ainsworth, Nebraska and then attended Central Community College in

Hastings, Nebraska. Ryan worked for private engineering companies for 16 years in Nebraska. He also spent two years in Colorado working for a private land surveying firm. Ryan and his wife Mary established Dickinson Land Surveyors, Inc. in March 2003. Ryan lives in Ogallala, Nebraska with wife and their 4 children: Hayley, Cole, Emma and Ethan.

**Jim Reinbold**



H. James (Jim) Reinbold has a Bachelor of Science degree from Oregon State University with an emphasis in Architecture. He worked for three years with an architect and completed the first year of his master’s program in architecture at the University of Colorado at Denver. In 1989, he started working with a structure engineering firm. In 1991, they converted from hand drafting to CAD with AutoCAD Release 9. Civil design was added to the services offered by the firm and he accepted the opportunity to learn and experience civil engineering. In 1995, he became involved with performing training classes and demonstrations for the software our firm used for civil design. In 1999, he started working full time for Eagle Point Training and supporting their software. In 2000, he completed study and exams for the Microsoft certification program and received a title of Microsoft Certified Systems Engineer. This certification is on Windows NT 4.0. In July of 2007, he joined the staff at Carlson Software to continue working with surveyors, engineers and construction organizations to provide top quality products and services and to further their ability to excel in their chosen area of work. Jim is currently the Director of Sales for Rocky Mountains and Northwest for Carlson Software.

**Jon Carrell, LS**



Jon Carrell has over 20 years of surveying in both the field and office work. He graduated from the University of Nebraska Omaha with a B.S. in Civil Engineering in 1998. He has been a member of PSAN and SENSLA for the past 8 years. He currently holds a License to Survey in the State of Nebraska. He has taught the Pre-exam workshop since 2010.

**Mark Streit, LS**



Mark Streit started surveying in the mid 1970's. He attended Southeast Community College-Milford in the Engineering and Surveying program. Mark has been licensed to practice Land Surveying in the State of Nebraska since 1995. He has been a member of PSAN since 1988 and has served as Secretary and on the Board of Directors. Mark has been teaching the PSAN Workshop since 1995.

**Matt Tinkham, LS**



Matt Tinkham has over 22 years in the field of surveying. He graduated from the University of Nebraska at Omaha in 2000 with a B.S. in Geography. He currently holds a License to Survey in the states of Nebraska (2009) and North Dakota (2012). He has been an active member in PSAN for over 10 years. He has taught the Pre-exam workshop since 2010 and is currently a PSAN Board Member.