

Registration Form

Please fill out the entire form, detach and mail with payment to:

Gwen Bowers
P.O. Box 83206
Lincoln, Nebraska 68501

Make checks payable to: **PSAN**

Use one registration form for each person attending the seminar and make additional copies as necessary.

**Seminar fees must be postmarked by:
January 25, 2019
to receive the "In Advance" rate**

2019 Winter Seminar

PSAN or NSPS Member In Advance: \$200 _____
Non-Member In Advance: \$300 _____
Attending Young Professional
Surveyor Track \$150 _____
SCC Land Surveying Student: \$0 _____
Late Fee Additional \$15 _____

Do you plan to attend Thursday Evening Banquet? Yes _____ No _____
Additional lunch tickets: \$15 _____
Additional Thursday Banquet Tickets: \$25 _____

TOTAL amount enclosed: _____

Name: _____

Company: _____

Complete Mailing Address: _____

LS No.: _____ SIT No.: _____

Email: _____

General Information

A block of rooms have been reserved for PSAN at the Holiday Inn at a rate of \$104.95.

Please let Holiday Inn know you are with PSAN when making reservations. There are numerous other hotels, many within walking distance to the Holiday Inn Convention Center.

Seminar fees include: Thursday and Friday lunches, and the 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 the PSAN Administrative Secretary, Gwen Bowers. 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 to be used to fund current monument restoration projects.

Contact:
PSAN Administrative Secretary
Gwen Bowers
P.O. Box 83206
Lincoln, Nebraska 68501

Email: PSAN@nebraskasurveyor.com
Website: www.nebraskasurveyor.com

PROFESSIONAL SURVEYORS ASSOCIATION of NEBRASKA

2019 WINTER SEMINAR



**Thursday & Friday
February 7 & 8, 2019**

15 Possible Professional
Development Hours

**Holiday Inn Hotel
& Convention Center**

110 Second Avenue
Kearney, NE 68847
308-237-5971

Hosts: John Berry LS-535

Gwen Bowers

Attention Aspiring Licensed Land Surveyors!

This year's pre-exam preparation program will include 7 programs, geared toward the area of study outlined on the NCEES Exam Specifications.

CLASSES WILL BE HELD ON THE SECOND FLOOR IN THE EXECUTIVE ROOM

Day 1: 10:30am-5:00pm

- **BASICS OF GIS:** Joe Sather
GIS and Photogrammetry
- **GEODESY 101:** Dave Zenk
Basics of Geodesy
- **BLM and CORNER RESTORATION:** Steve Cobb
Breaking Down Sections per the BLM

Day 2: 8:00am-5:00pm

- **NCEES PROCEDURES:** Matt Tinkham and Chris Schulte
NCEES Application and Testing Procedures
- **FS Exam:** Mark Streit and Jon Carrell
FS Study Guide — includes book
- **PS Exam:** Matt Tinkham and Doug Stevenson
PS Study Guide — includes book
- **NE State Specific:** Jon Carrel and Mark Streit
Study Guides — includes handouts

Lunches for both days, and the Thursday night banquet included.

Schedule

Thursday, February 7 2019

8:00-8:30	Welcome and Introductions of the Vendors
8:30-9:45	Business Meeting
9:45-10 :00	Dave Zenk: Datum Update
10:00-10:30	Break / Visit with vendors
10:30-12:00	Casey Sherlock Filing and Repository Requirements Description of the Duties of the State Surveyor
12:00-1:00	Lunch
1:00-3:00	Kenneth Dedrick "Understanding Land Descriptions"
3:00-3:30	Break / Visit with vendors
3:30-5:00	Breakout Sessions: Jerry Penry Jeremy Feusner Kenneth Dedrick
5:00-9:00	Social Hour, Dinner, Awards and Silent Auction

Friday, February 8 2019

6:30-7:30	Past President's Breakfast
8:00-10:00	Dr. Richard Elgin "How to Make Your Surveying Business Better"
10:00-10:30	Break / Visit with vendors
10:30-12:00	Dr. Richard Elgin: Continued
12:00-1:00	Lunch
1:00-3:00	Dr. Richard Elgin "Surveyor's Notes for Plats"
3:00-3:20	Break
3:20-5:00	Dr. Richard Elgin "History of Instruments"

Thursday Speaker

KENNETH DEDRICK, PS

Kenneth began his surveying career in 1977 as a rear chainman for a small firm in Miami County, Kansas and currently has more than 41 years of professional experience in all aspects of surveying. His extensive experience includes providing and supervising boundary and topographic surveys, transportation route surveys, ALTA/NSPS Land Title surveys and GPS surveys for both private and public sectors of land.



Ken has provided surveying services throughout the Midwest. He currently manages the Surveying Department at Kaw Valley Engineering in Lenexa, Kansas. Ken is a previous member of the National Council of Examiners for Engineering and Surveying Test Writing Committee. Ken is a 20 year veteran of the United States Army, U.S. Army Reserve and is currently serving in the Kansas National Guard.

THURSDAY: 1:00 – 3:00

"UNDERSTANDING LAND DESCRIPTIONS"

The intent of this course is to develop an understanding and an ability to interpret historic land descriptions for the beginning and intermediate surveyor. Included is a look at sources of title, intent of the parties, purpose of written descriptions, common types of descriptions, and the structure used in preparing a description. The course will cover the interpretation of historic descriptions including the units of measure, bearing systems and the reality of historic measurements.

Friday Key Note Speaker

DR. RICHARD ELGIN, PS, PE
Archer-Elgin Surveying and Engineering, LLC
Rolla, Missouri



A second-generation surveyor, Dick was raised in his parents' surveying business in Rolla, Missouri. After serving meritoriously as an Army helicopter pilot in Vietnam, he returned to Rolla and received the degrees B.S. and M.S. in Civil Engineering from Missouri University of Science and Technology (S&T) and his PhD from the University of Arkansas. Leaving Arkansas, he joined the faculty of the Department of Civil Engineering at S&T as an Assistant Professor (1980-1984).

From 1984 until 2008, Dick was the owner and President of Elgin Surveying & Engineering, Inc. in Rolla. Semi-retired, he currently works for Archer-Elgin Surveying and Engineering, LLC. Dr. Elgin is past president of the Missouri Society of Professional Surveyors (MSPS). He is a member of S&T's and also the University of Arkansas's Academy of Civil Engineers. He is a former member of the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Landscape Architects.

He co-authored "Legal Principles for Boundary Location for Arkansas," the "Celestial Observation Handbook and Ephemeris," and "The U.S. Public Land Survey System for Arkansas." He is the author of "The U.S. Public Land Survey System for Missouri."

A rare surveyor, he is a practitioner (sealed about 13,500 surveys), researcher (co-developer of the "ASTRO" software), author (wrote four books) and educator (Adjunct Professor teaching surveying).

Dr. Elgin is an avid collector and researcher of early American surveying equipment. He rides a Moots bicycle and drives a perfectly restored 1976 Alfa Romeo GT 1600 Junior.

FRIDAY

8:00AM – 12:00PM

"HOW TO MAKE YOUR SURVEYING BUSINESS BETTER"

A presentation for owners, principals, managers and employees of surveying/engineering firms, it gives simple, effective, tested, practical, successful ideas for marketing surveying services and ideas for getting the project through the office, from initial client contact to getting paid. Taught by the former owner of a successful firm, Dr. Elgin gives the attendee the benefit of his 24 years of frustration in getting the project out the door as promised, billed and paid, while at the same time providing the quality assurance and quality control the project deserves. Built into the session is time for questions with helpful, responsive answers. Included are standard letters, work order form, in-house job tracking form, and example surveyor notes for plats.

FRIDAY (CON'T)

1:00PM – 3:00PM

"SURVEYOR'S NOTES FOR PLATS"

The user or reviewer or critic of your Plat of Survey likely knows little about the professional boundary survey and service you provide. There are aspects of the survey which are difficult or impossible to convey graphically. Surveyor's Notes on the plat can better convey information about the survey (and make it more defensible): What is it and what it is not. Most notes can be placed in a standard format, or one easily adapted to each plat of survey. Such notes are given and discussed in the presentation.

3:30PM – 5:00PM

"EARLY AMERICAN SURVEYING EQUIPMENT: EVOLUTION AND COLLECTING"

Dr. Elgin traces the evolution of early American surveying equipment, from the plain compass of the late 1700's to the Vernier compass, the telescopic compass, the "Railroad" Compass and the compass' ultimate development, the solar compass. Also discussed are the standard American Transit and its solar and mining attachments. Dick will also review the prominent prolific firm of W. & L.E. Gurley and others. Also reviewed are alidades, levels and calculating devices. The equipment shown is all taken from Dick's extensive collection of early American Surveying equipment. ALSO: Bring your antique or vintage surveying equipment for Dick to comment on and value. Bring that "what is it piece" and see if Dick can identify the device. At the convention, Dick will display some equipment from his collection.

Break-Out Sessions

Thursday: 3:30 – 5:00

“Making the Most of Monumentation”

Jerry Penry - Room D

Class Description: This discussion will provide tips on establishing better monuments that will not only endure longer, but also provide a lasting location for future generations of surveyors. Jerry will provide both good and bad examples from his more than 20 years of experience in monumenting section corners in a variety of surfaces at Lancaster County. An examination of Instruction 86-1 that was issued to county surveyors by former State Surveyor Jim Brown in 1986 regarding monumentation needs a fresh look more than 30 years later. This class will also discuss what is currently being required for minimum standards of monumentation for all boundary surveys. Your input will be sought as we move towards an updated and clearer set of guidelines.

“The Surveyors Toolbox”

Jeremy Feusner - Room E

Class Description: Are you using the same old “tools” you’ve been using for years to complete your survey projects? Maybe a conventional GPS RTK survey is exactly what’s necessary to deliver the best product to your customers... or maybe there’s a different solution. In this presentation, we will discuss various project types and how determining the best project approach can generate highly successful results. Jeremy will present some specific tips and tricks that have helped us generate great project deliverables. Although we will discuss different technologies and tools, the goal will be to have participants thinking “outside the (tool)box”.

Control Networks

Kenneth Dedrick - Room F

Class Description:

The emphasis of this course is for the crew chief and experienced instrument person. It will cover the methods of designing, developing and establishing a survey control network. The course will cover networks from the small project to county wide control, both the theory and practical application. Emphasis will be on the practical selection and placement of project control monuments, network design and leveling applications.

Young Professional Surveyor Track

Basics of GIS

Presented by Joe Sather, LS

This presentation will focus on a high level view of Geographic Information Systems, and what its 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.

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.

BLM and Corner Restoration

Presented by Steve Cobb

This session will cover the history of the BLM Rectangular System, along with how the original townships and sections were laid out. It will also cover how to resurvey sections in the BLM Rectangular System. We will cover single and double proration, how to set the center of sections and what to do with irregular corners and closing corners.

NCEES Application and Testing Procedures*

Presented by Chris Schulte 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 and Mark Streit

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 Doug Stevenson 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. (1.5 Hours)

Nebraska State Specific Exam Prep*

Presented by Jon Carrell and Mark Streit

A state specific study guide will be provided for this session. Presenters will review the application process and 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.*