

Salina Seminar Series

January 8 - 10, 2015

*Sponsored by:
The Salina Chapter of the
Kansas Society of Land Surveyors, Inc.*



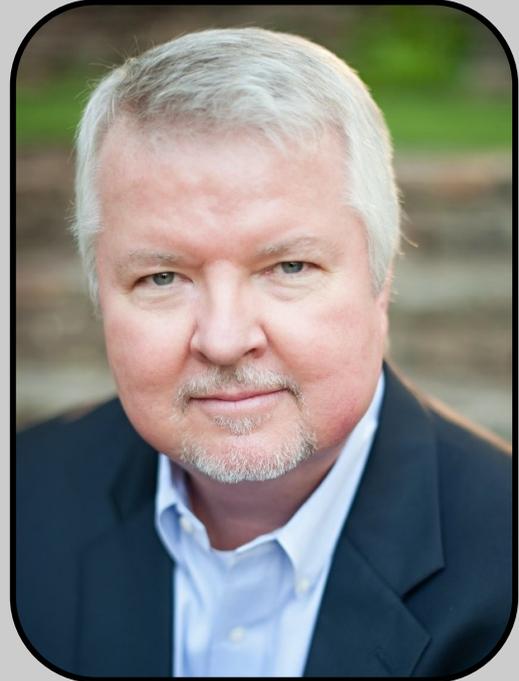
Featured Speaker

Jeffery N. Lucas, PLS, Esq.

Presenting:

The Pincushion Effect (The Multiple Monument Dilemma)

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 has written a regular column for POB Magazine since 2004.



Friday, January 9, 2015

8:00 a.m. - 5:30 p.m.

The "pincushion" corner is the name that has commonly been assigned to the phenomenon of multiple monuments that have been placed in the vicinity of a single land boundary or property corner. The pincushion corner is the bane of the land surveying profession because it represents the physical manifestation of the land surveyor's collective confusion over his or her duties and responsibilities toward property boundaries. Within the context of the land surveyor's duties and responsibilities toward boundaries, there is no reason for multiple monuments to exist when only one corner is contemplated under the law. This seminar explores the phenomena of the pincushion corner and the dilemma it creates for the land surveying profession. The surprising causes of the pincushion corner will be discussed and ways to avoid starting a new pincushion or adding to an existing one will be explored.

Copies of "The Pincushion Effect" will be for sale at the Seminar.

ON THE COVER: IMAGE CREDIT:

BENKRUT / 123RF STOCK PHOTO

Unmanned Aircraft: New Trends in Aerial Mapping

Thursday, January 8, and Friday, January 9, 2015

PRESENTED BY: MARK BLANKS

This class will cover the origin and technology related to Unmanned Aircraft Systems (UAS), review UAS aerial mapping applications and techniques, and discuss the regulatory environment for this new class of air vehicles.

Mark Blanks has held a variety of positions in the aviation industry including aircraft maintenance, flight test, and aircraft certification. He has spent the past five years dedicated to the integration of unmanned aircraft into the national airspace system. In his current role as K-State UAS Program Manager, Mark oversees the growth of the K-State UAS research program and is actively engaged in the development of UAS design standards and applications.



RLS Prep

Thursday, January 8, 2015

PRESENTED BY: SARAH BOEH-CERRA, PS

This session will cover the preparation involved to become licensed as a surveyor in the State of Kansas. Study habits to adopt while studying for both the NCEES & State Exams will be addressed. We will briefly discuss the Kansas Public Land Survey System and go over some example problems similar to the state exam questions. There will also be an introduction of the Kansas Statutes Annotated, which are available to purchase from the KSLs.

Sarah Boeh-Cerra, PS, is a Licensed Surveyor with Clark Land Surveying, P.A., in Troy, Kansas. Sarah holds an Associate of Arts Degree in Design Technology from Washburn University. She has been a member of the Kansas Society of Land Surveyors since 2001. Her professional experience includes construction staking, boundary and engineering surveys, geodetic and vertical datum control establishment, and GIS mapping. Sarah has extensive knowledge in the civil and technical CAD field.



Land Descriptions

Friday, January 9, 2015

PRESENTED BY: STEVEN S. BROSEMER, PS

The class will address the following questions about land descriptions: What is the purpose of a land description? Is there standard language for descriptions? What are the parts of a legal description? When should they be re-written and who should do the writing? What are the hierarchy of calls in a legal descriptions? How should I handle discrepancies? Bring your questions.

Steven S. Brosemer, PS, has a degree in History and Secondary Education. He is the son of his mentor, the late James H. Brosemer, RLS #82. In the last 30 years, Steve has been an owner or partner in his current business, GeoTech, Inc., and has provided land surveying services of every possible type to both the private and public sectors. Professionally, Steve served as President of KSLs in 1988 and 1989. Currently, he is a member of the KSLs Charitable Foundation Board and vice chair of the KSBTP. Steve is a former Chair of the Emporia Area Chamber of Commerce and is a Trustee of the Lyon County Historical Society.



Coordinate Geometry

Saturday, January 10, 2015

PRESENTED BY: ERNEST CANTU, PS

This session will teach COGO calcs - Coordinate Geometry - and is directed to students seeking the secrets of mathematical magic, students looking to successfully understand how to figure out those hard survey math problems in preparation for taking the FS and PS exams. This session is also for those who knew the ways of mathematical magic before the age of electronic data collectors and would like to reminisce in those memories. *This session will be math intensive*, using concepts like the Law of Cosines, the Law of Sines and the Quadratic Formula as an introduction to further highlight math that is normally taught during the fourth year of a surveying student's four-year university curriculum. COGO calcs are explained so that they can be done using the kinds of calculators that are allowed to be used on the FS and PS Exams. COGO calcs include: · inversing, bearing and distance intersection from one point (projection/traverse) · bearing and distance intersection from two separate points · distance-distance intersection · bearing-bearing intersection · area of an irregular figure using coordinates · pre-determined area by swing method, and by parallel offset · other miscellaneous math things.

Ernie Cantu, PS, is a Survey Crew Chief for Professional Engineering Consultants. He is a member of KSLs and on the Board of both KSLs and the KSLs Charitable Foundation, and has served on a number of committees. He is an instructor at Butler Community College, teaching subjects such as *Boundary Control*, where he supplements the course's content by teaching COGO calculations using "calculators of restricted quality." As a geocaching addict, he owns over a hundred published geocaches and has found several hundred other geocaches.



Easements

Saturday, January 10, 2015

PRESENTED BY: DAVID COFFELT

In this session we will discuss the various means of creating easements, including: Implication, Prescription, Necessity, Written Grant or Reservation, Condemnation, and Certified Survey Map or Plat. Also discussed will be methods of discontinuance of public rights-of-way and vacation of easements. We will then examine the effect of easements in relation to the issuance of title insurance policies. Specific topics include: Types of Easements; Easement Purposes; Insuring Easements; Termination of Easement Rights Specific Title Exceptions; Endorsements; and, Easements for Encroachments.

David Coffelt is the owner of Coffelt Land Title, Inc., which has five offices, including one in Overland Park, KS. He has a degree in Agricultural Economics. Dave is a long-time member of the ALTA and has served the Missouri Land Title Association as its Past President, Past Board of Directors member, and chair of various committees. He was recognized in 1980 as Young Title Person of the Year -- the first person to receive this honor from the association. Dave is a Missouri Land Title Institute Instructor, and he tours the nation presenting title classes to attorneys, title associations, real estate professionals, and now to land surveyors.



Title Insurance

Saturday, January 10, 2015

PRESENTED BY: DAVID COFFELT

Ever wonder just what it is that title people do? This portion of the seminar will attempt to answer this profound question, and the many others that you may have about the title industry. Learn about the services available at your local title company that can actually make your work a little easier. Let's talk about ALTA surveys, and how to foster better communication between surveyors and title company personnel. This presentation promises to be enlightening and interesting, as well as offering you plenty of opportunity to discuss current issues in the industry as it relates to title.

See Mr. Coffelt's Bio above under "Easements".

First Aid & CPR

Friday, January 9, 2015

PRESENTED BY: JOHN CREAGER

Limit 20. This program is designed for individuals in the community that want a basic knowledge of first aid, CPR skills and instruction on the use of an *Automated External Defibrillator (AED)*. This program will help employers meet OSHA and other federal and state regulatory requirements for training employees how to respond and care for medical emergencies at work. In addition we will be covering safe roadway and roadside practices. Participants will receive a certification card from the instructor.

John Creager is the owner of Safety Training Solutions, LLC, which offers courses in CPR, Basic First Aid, Fire Safety, Extinguisher Training, Industrial Safety, and Bloodborne Pathogens Training. John has extensive personal experience in dealing with emergencies. He has been a Safety Courses instructor, a Certified Firefighter, an EMT, a Paramedic, and an Aircraft Rescue CFR Part 139. In 2011, John helped craft legislation for the Missouri Dental Board as it pertains to CPR training requirements. He is also a Mandt Instructor. John is married and has three children.



Kansas State Board of Technical Professions

Thursday, January 8, 2015

PRESENTED BY: LARRY GRAHAM, PE, PS AND STEVEN S. BROSEMER, PS

Panel discussion on the changes encompassed by Senate Bill Number 349 as they apply to the application and enforcement of the State Statutes and Regulations administered by the Kansas State Board of Technical Professions. Questions and spirited discussion is encouraged.

Larry Graham, PE, PS, is a principal and Division Manager at Shafer, Kline & Warren, Inc., where he has worked since 1971 when he graduated from Kansas State with a BS in Civil Engineering. He has an MS in Civil Engineering from the University of Missouri. Larry holds engineering licenses in 12 states, and surveying licenses in 8 states. He is active in KSLs and NSPS, and is the PE/PS member of the KSBTP, a position he has held since 2012.

See Mr. Brosemer's Bio on page 3.



Minimum Standards

Thursday, January 8, and Saturday January 10, 2015

PRESENTED BY: JASON JOHNSON, PS

This course will review the Kansas Minimum Standards for Boundary Surveys and Mortgage Title Inspection Standards of Practice. The class will be conducted as an "open forum" providing attendees with the opportunity to ask questions and discuss any of the standards and regulations. To comply with the 2014 KSBTP regulation changes for Kansas Minimum Standards education opportunities, a short quiz will be conducted and reviewed, and all attendees will be required to verify class attendance.

This course has been approved by the KSBTP and will provide two CEU's towards the education requirement of KSA 66-14-1. A certificate of completion will be emailed to each verified attendee following the Seminar.

Jason Johnson, PS, Campbell & Johnson Engineers, P.A., has an Associate's degree in Surveying Technology and a Bachelor's degree in Land Information Technologies. While at KSU, Jason served as President of the Student Chapter of KSLs. He is currently a member of the Salina Chapter of KSLs and NSPS. Jason has served on the Salina Seminar Series Committee. This is Jason's fifth year of teaching the Minimum Standards Class.



Boy Scout Merit Badge

Saturday, January 10, 2015

PRESENTED BY: STAN W. LLOYD, PS

By offering your time and knowledge as a merit badge counselor, you can play a vital role in stirring a young man's curiosity about Land Surveying. This class will explain the process of becoming a volunteer merit badge counselor, requirements of a Boy Scout to earn the Surveying merit badge and suggested methods on teaching the badge. Required BSA Youth Protection training will be included. Upon completion of the class you will be eligible to complete the BSA application and submit it to your local council for approval.

Stan W. Lloyd, PS, is a 36 year employee of Shafer, Kline and Warren, Inc., Lenexa. He received his Kansas surveying license in 1982. He has an Associate in Applied Science Land Surveying degree and a Bachelor of Business Administration. Stan is licensed to practice in ten states. He has been an adult volunteer in the Heart of America Council, Boy Scouts of America, for over 20 years and is the District Commissioner for Red Tailed Hawk District. He has received the District Award of Merit and the Silver Beaver, is a Vigil member of the Order of the Arrow and a Keeper of the Wampum in the Tribe of Mic-O-Say. He has two sons who are both Eagle Scouts.



GLO/1855 Instructions

Friday, January 9, 2015

PRESENTED BY: JERRY PENRY, LS

This class will be a detailed examination of the 1855 Manual of Instructions to the Surveyor General of the Public Lands of the United States. Since both Kansas and Nebraska began their surveys under this manual, it is important for modern surveyors, particularly in the eastern portions of these states, to correctly know how to follow the footsteps of early surveyors when retracing their work. Changes occurring in subsequent manuals will also be discussed and how the modern surveyor needs to correctly understand the rules that were in place depending upon the area that was surveyed.

See Mr. Penry's Bio below under "Robert Harvey's Instructions."

Robert Harvey's Instructions-100 Years Later

Saturday, January 10, 2015

PRESENTED BY: JERRY PENRY, LS

In 1902, due to the prevalence of land disputes and litigation, the State of Nebraska appointed the state surveyor, Robert Harvey, to oversee and settle these cases. Harvey uncovered a systematic method used in many cases by fraudulent deputy surveyors, in which monuments were established, but in locations where most retracing surveyors would not find them. Harvey published a circular of instructions detailing how to find the original pits and mound monuments and how to correctly retrace the GLO surveyor's work which he defined, the "Short-Cut Method". This circular quickly gained national attention. It was sought by surveyors and engineers, lawyers and judges, land owners and universities, and by the GLO in Washington, D.C. One hundred years have passed since Harvey published his revised and expanded edition of his circular of instructions in 1914. Robert Harvey's method of researching and finding lost section corners as described in his publication remains the same today despite a century of advances in technology. **Note: Those who register for and attend the class will receive a free copy of Harvey's book.**

Jerry Penry, LS, is a licensed land surveyor in Nebraska and South Dakota with 30 years of experience, and a degree in land surveying. Jerry's keen interest in history and research led to him write several books on the topics of land surveying, World War II, and railroads and he has had over thirty articles published in national surveying magazines. Over the past ten years, he has been a featured speaker for conferences, historical societies and commemorative historical events. Jerry is employed at Lancaster County Engineering in Lincoln, Nebraska, where he manages the surveying department. He and his wife, Jenny, live in Denton, Nebraska.



OPUS Projects Manager Training

NEW FOR 2015

Friday, January 9, 8:00 a.m. - 5:30 p.m. ,
and
Saturday, January 10, 8:00 a.m. - 12:00 p.m.

Note: You must attend all twelve hours to become a project manager.

Presented by: NOAA/National Geodetic Survey and
William Stone william.stone@noaa.gov

**THIS CLASS IS LIMITED TO 30 PARTICIPANTS
REGISTRATION FOR THIS CLASS ENDS ON DECEMBER 17**



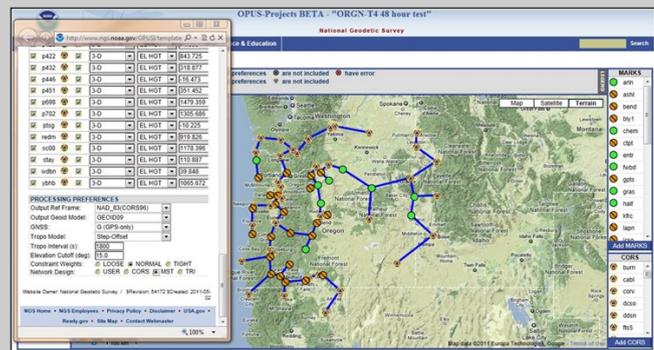
William Stone is the NOAA/National Geodetic Survey's (NGS) Southwest Region Geodetic Advisor. He assists the geospatial community throughout Arizona, Nevada, New Mexico and Utah—including public- and private-sector surveyors, GIS professionals, engineers, and earth scientists—with proper application of the National Spatial Reference System. Stone has been with NGS since 1989, and he previously worked for the Department of the Navy and the Defense Mapping Agency. He has a BA in Physics from Bowdoin College and an MS in Physical Oceanography from the Scripps Institution of Oceanography. He lives in Santa Fe, NM.



WHAT is OPUS Projects?

OPUS Projects is a web-based GPS processing and network adjustment package with access to simple visualization, management, and processing tools for multiple marks and multiple occupations. OPUS Projects is a natural extension of OPUS that allows engineers, surveyors, and other users to position campaign-style GPS observations (geodetic networks) with greater accuracy by combining them through multi-baseline processing and least-squares adjustments. Some of its advantages include:

- Data uploading and harvesting through OPUS
- Web-based data storage and access
- Processing and network adjustment using the NGS PAGES software suite
- Data and solution visualization aids
- Coordinate results tied to the NSRS or to local constraints
- Limited support for bluebooking



{EARN 12 PDH FOR THIS CLASS}

WHAT will you learn at OPUS Projects manager training?

By attending this workshop, you should have enough information to successfully use OPUS Projects for your own geodetic network projects. The training is one and a half days and you must attend the entire workshop to become a project manager for OPUS Projects. Once the training is completed, you'll be given an opportunity to register your email address thereby authorizing you to create and process your own projects through OPUS Projects.

Although not required, familiarity with typical GNSS surveying practices and NGS' OPUS is helpful. Also helpful is the ability to access your email during training because OPUS Projects uses email as one means to communicate with you.

YOU MUST BRING A WIFI ENABLED LAPTOP TO THIS CLASS!

CREATING ACCURATE MAPS FROM IMAGERY

Creating Accurate Maps from Imagery - Controlling Remotely Sensed Data Presented by: Derek Smith



**JOIN US FOR
APPETIZERS AND EARN ONE PDH**

5:45 - 7:00 P.M.

FRIDAY, JANUARY 9, 2015

\$7



During this presentation, participants will become familiar with the basic principles of photogrammetry and LiDAR, and more specifically how the survey--and decisions by surveyors--affects the data. We will take a close look at photo-identifiable control selection, LiDAR control points, and airborne GPS base stations. Mapping is only as good as the survey that controls it, and the quality of the survey can be greatly enhanced with good decisions in the field.

Mr. Smith is currently the Geospatial Service Unit Manager at Wilson & Company, and he is also project manager for numerous aerial acquisition and mapping projects. These projects are comprised of several types of field surveys, photogrammetric mapping, LiDAR, and GIS data extraction and processing. He is proficient with most of the digital mapping processes used by the industry, and his expertise also includes geodetic survey control, LiDAR processing, image processing, stereo compilation, GIS creation and analysis, and orthophotography.

Tree Identification

Thursday, January 8, and Saturday, January 10, 2015

PRESENTED BY: JOHN RIGGS, RLA, PIC

This class will study the importance of accurate tree identification information as an element of property base mapping. Requirements for compliance with state laws and local ordinances concerning tree protection will be noted. Commonly encountered Kansas trees will be reviewed and methods of identification will be studied. Participants will have the opportunity to view a photographic presentation of tree species. The course is designed to provide participants with basic working knowledge for field applications.

John Riggs, RLA, PIC, Riggs Associates, Planners, Land Planners, Landscape Architects, is a graduate of KSU-Manhattan. John holds licenses and certifications for the practice of Landscape Architecture and City Planning in Kansas and surrounding states. John worked for the Menninger Foundation and Wilson & Company before opening his own consulting practice in 1991. John is the owner and developer of the Riggs Arboretum at Waterloo, Kansas, a century-old, historic federal experiment station containing nearly 200 varieties of trees and plants.



Elevation Certificates

Thursday, January 8, and Friday, January 9, 2015

PRESENTED BY: STEVE SAMUELSON, CFM

This session will begin with a short discussion about the National Flood Insurance Program before diving into the forms. This will lay the background about why certain things are required on the elevation certificate form and even the need for the form itself. We will go through the form, line by line, discussing how to fill out each section. We will discuss the use of flood maps and the flood insurance study, sources of base flood elevation data, and look at photos of buildings from Kansas. The elevation certificate can be used as a supporting document for a Letter of Map Amendment. There will also be information about submitting the Letter of Map Amendment at the end of the class. **CFM's will earn 4 CEC's.**



Steve Samuelson, CFM, has been the National Flood Insurance Program Specialist at Kansas Department of Agriculture/Division of Water Resources since 2007. From 2005 to 2007 Steve worked for Lyon County as the Zoning Administrator and Floodplain Manager. Steve graduated from Emporia State University in 1982, and is a Certified Floodplain Manager.



Subdivision Planning and Design

Friday, January 9, 2015

PRESENTED BY: MARK SAVOY, PS

This course is designed as an introduction to Subdivision Planning and Design. Elements that will be touched upon will include: Land Development Resources; Site Analysis; Maps and Plans; Topography; Linear Design (Route System Design), with traffic circulation, earthwork and existing land use factors which impact the design; and an introduction to local and state regulations and codes affecting land subdivisions. The primary goal of this session will be to concentrate on the Initial Planning Process, or the "What, When, Where, Who, Why and How" of the planning process.

Mark is the President of Savoy Company, P.A. and is the principle in charge of administrative functions, overseeing all corporate activities, land development and land design functions, quality assurance and overall client relations. Since 1965 he has been involved in all aspects of Land Surveying, e.g., mortgage title inspections; boundary, topographical, architectural, as-built, and forensic surveys; various aspects of Land Planning, including vacation cases, zoning variances, zoning changes; CUP, PUD, and the design and platting of residential, commercial and industrial subdivisions. Mark is a member of KSLS, South Central Chapter of KSLS, NSPS, Professional Surveyors of the Sixth P.M., Wichita Area Builders Association, Wichita Metro Chamber of Commerce, El Dorado Chamber of Commerce, and El Dorado, Inc.



County Survey Reports

Thursday, January 8, 2015

PRESENTED BY: JAMES SCHMITZ, PS, AND SEAN CAHALAN, PS

Since all subdivision plats, and all surveys requiring recordation pursuant to K.S.A. 19-1434 must be recorded, most counties in Kansas require a review of those surveys pursuant to the requirements outlined in KSA 58-2004 and 2005. Sean Cahalan will discuss common requirements and problems encountered in the more urban counties and Jim Schmitz will address these same points more commonly associated with rural counties. They will be covering the requirements for Certificates of Survey and Subdivision Plat approval pertaining to K.S.A. 58-2001-2005 and 2011. The handouts will include a standard survey review form developed by the Kansas Assoc. of County Surveyors.

James D. Schmitz, PS, was licensed by examination in 1979. He has been a member of KSLs since 1975, serving as a board member, president of the SE Chapter of KSLs, two terms as KSLs president (2011 & 2012), and chairman of the Minimum Standards Committee. He is the Linn County Surveyor and a founding board member of the Kansas Assoc. of County Surveyors. He also served as past president on the KSLs Charitable Foundation Board. Jim is retired but still keeps his business alive which he started in 1987 with his beautiful wife Kristy (PS-888).



Sean Cahalan PS, is the Deputy County Surveyor of Johnson County. He has worked for Johnson County for 24 years and served as Deputy County Surveyor since 2004. As Deputy he performs plat reviews and multiple section corner monument resolutions. He is currently a member of the KC Chapter of KSLs & MSPS, and a founding member and Past President of the Kansas Association of County Surveyors.



Static-Terrestrial LiDAR

Thursday, January 8, and Friday, January 9, 2015

PRESENTED BY: JASON TAYLOR AND WHITNEY LYNN

The Technology and Advantages of Static-Terrestrial LiDAR.

Participants in this session will become familiar with the basic principles of LiDAR, specifically tripod based LiDAR systems. An in-depth look at the 3D scanning workflow, from initial laser scan and registration of point cloud data, to the creation of a number of unique deliverables will be shown. Participants will examine the unique advantages that 3D scanning offers over traditional surveying techniques, sighting several recent case studies. The workshop will also provide a live hands-on demonstration of data acquisition using a Riegl VZ-400 laser scanner.

Jason Taylor is the Terrestrial Scanning Lead for Wilson & Company's Survey Geospatial and Remote Sensing division. He has over 14 years of surveying experience, including over 6 years of experience with a variety of laser scanning applications. Jason has completed a wide range of 3D laser scanning projects including geotechnical hazard analysis, dam deformation studies, and dozens of bridge surveys. Today Jason works closely with clients in many industries, helping them use 3D laser scanning to increase productivity.



Whitney Lynn has over 6 years of experience in the geospatial industries. He has been a part of numerous projects performing LiDAR, photogrammetric, GIS, and image processing tasks. He currently serves as the Terrestrial LiDAR Data Processing Lead for Wilson & Company's Survey, Geospatial, and Remote Sensing Division. Whit has completed a variety of LiDAR-based projects, including road/bridge as-built designs, dam deformation studies, transmission line and substation surveys, and sidewalk/stormwater improvements.



Join Us for Lunch on Thursday beginning at Noon.
Deli Sandwiches & Chips - \$5.50/person
RSVP when you register.



GPS - Planning, Updates and Resources

Friday, January 9, 2015

PRESENTED BY: STEVEN THOMPSON, PE, AND KENNETH P. JOHNSON, PS

In this session we will discuss an actual GPS project from beginning to end including: planning, data collection, analysis (combining static GPS, OPUS, & RTK), checking results, and mapping (coordinate systems, Geoid models, and datums). OPUS results are now in IGS08/NAD83(2011) coordinates only and as always correct antenna heights are imperative. We will discuss additional GPS resources that are available at little or no cost for use in GPS pre-planning, field preparation, and project implementation. We will also give a brief update on the status of the national GRAV-D program, ORS network, NSRS, and statewide LIDAR project.

Steve Thompson, PE, is a GIS/GPS consultant working with both governments and the private sector regarding parcel and centerline mapping, utility mapping, GIS/GPS training for first responders, E911, and Homeland Security. Steve is an adjunct professor at Butler and Cloud County Community Colleges. He has a BS in Civil Engineering and is licensed as a PE in Kansas. Steve established the first GPS Base Station in Kansas. He is a member of KSLs and the KS Association of Mappers.



Kenneth P. Johnson, PS, is the Vice President and co-owner of Campbell & Johnson Engineers, PA. He graduated from Ottawa University in 1978. Ken is a member of the Salina Chapter of KSLs, serving on the Salina Seminar Series committee, and is the chairman of the KSLs Historical Committee, the committee working on the Section Corner On Line Access and Retrieval project with the Kansas State Historical Society.



Math I & II

Friday, January 9, 2015

PRESENTED BY: ROD ZINN, PS

This year's "Survey Math" course will be divided into two separate programs. Both will be very essential to those members who wish to update their math skills (Friday morning session) and those who wish to sit for the Land Survey Exam (Friday afternoon session). With modern technology, many surveyors have become rusty in their computations, due to the fact that the software in their data collectors can perform the needed calculations. The focus of the classes this year will begin with introductory mathematics moving quickly into some minor Algebra, Geometry and both Right Angle and Oblique Trigonometry. All mathematics will be directly "Land Survey" related and will include "Tech Tips" and problem solving strategies towards taking the FLS/PLS exams and checking daily surveying calculations.

Rod Zinn, PS, has a BS degree in Vocational Technical Education from Pittsburg State. He was a full time instructor for more than ten years in the Civil Engineering Technology program at Washburn Tech. Rod also served as: lead advisor in SkillsUSA; the Kansas Industrial Education Association Board President; and the Kansas SkillsUSA Advisors Board President. In 2005, Mr. Zinn entered the private sector as a full time land surveyor and survey department manager. Currently Rod is a managing member and partner with Cornerstone Regional Surveying.



**HANDOUTS CAN BE DOWNLOADED AT:
WWW.SALINASEMINARSERIES.COM**

General Information

PRIZE GIVE-AWAY:

The first 320 people to register will receive a gift courtesy of the Salina Seminar Series. Join us for lunch on Friday and have the number on your badge ready -- numbers will be drawn and prizes given away to the lucky winners, courtesy of our vendors. Everyone is automatically entered to win. Please thank the vendors for their generous donations.

HOTEL ACCOMMODATIONS:

A block of rooms has been set aside at the LaQuinta Inn, 201 E. Diamond Drive, Salina, KS, for \$66+tax/night king or double. The LaQuinta is located one-mile west of Webster Conference Center on I-70 exit 252. Please mention the Salina Seminar Series when making your reservations. Reservations must be made before 12/31/2014, to receive this rate. Call LaQuinta directly at 785-827-9000. Click on the QR Code to see more information on the LaQuinta.



Webster Conference Center has motel rooms with queen beds available for \$50/night/room. See the Seminar website for more detail. Reservations are required. Call Webster at 785-827-6565 or 877-WCC-RESV.

The Ambassador Hotel (formerly the Ramada Inn) has set aside a block of rooms for \$49+tax/night. Call the hotel at 785-823-1739.

SURVEYING STUDENTS ARE FREE!!

~Compliments of the Salina Chapter~

If you will be taking **six or more** hours of Surveying classes at Butler Community College during the Spring 2015 semester, you are eligible for free tuition at the Seminar. Use the Coupon Code "STUSPKR" when you register. You will be asked to verify your Spring registration.

Full-time Science, Engineering, and Survey Technology students are eligible to receive free lodging at Webster Conference Center. Contact the Conference Manager (not Webster) for more information.

CANCELLATION POLICY:

If you cancel on or before December 27, 2014, you will receive a full refund less a \$25 service charge.

If you cancel after December 27, 2014, you will receive a full refund less a \$50 service charge. Refund requests must be made in writing on or before January 9, 2015, by emailing manager@salinaseminarseries.com. No refunds will be given if requested after January 9, 2015.

EARLY BIRD REGISTRATION & WALK-IN REGISTRATION:

Register by December 7, 2015, for the early-bird rates. After December 7, rates increase by \$50. Walk-in registrations on January 8 - 10, 2015, will be charged the late registration fee, plus a \$25 special handling fee.

MINIMUM STANDARDS:

In order to comply with the new requirements of the KSBTP we are changing how we show Minimum Standards credit on your PDH Certificate. If you wish to receive credit for the Minimum Standards class, you will need to sign the attendance list in the class, and submit a completed written test. Those two items will be cross checked and a separate Minimum Standards certificate will be emailed to the address you used to register for the Seminar.

PDH CERTIFICATES:

Certificates must be picked up in person at the Seminar at the end of your last scheduled session. ***PDH Certificates will not be mailed.***

The KSBTP has established guidelines for what constitutes proof of attendance for audits of professional development hours. That proof includes your PDH Certificate. Please keep a copy of your registration confirmation, the Seminar Brochure, and your PDH Certificate with your log. Records must be retained for four years. **We are not responsible for maintaining records of your attendance, nor will we keep a physical copies of PDH certificates--and we do not guarantee we will keep a digital copy.** If you need a certificate from a prior year, and we have a digital copy, it can be purchased for \$10 by emailing your request to manager@salinaseminarseries.com. You will be sent an invoice through PayPal for payment.



General Information

KSLS BOARD MEETING & DINNER:

The Salina Chapter will host a meeting of the KSLS Board of Directors, Thursday, January 8, at 7:00 p.m., at Webster Conference Center. All KSLS Members are invited to attend the meeting. The dinner, which begins at 6:15 p.m., will be open to all Seminar participants. Dinner is by reservation only (reserve when you complete your registration form). Cost is \$12.50 per person. Current Board Members and Committee Chairs are free. RSVP must be received by 12/21/14.

HANDOUTS:

Handouts will be posted on the Seminar website prior to the Seminar and are **FREE** for downloading. Registrants are responsible for downloading and/or printing handouts for their classes.

Go to: <http://www.salinaseminarseries.com/2014-handouts.html> or use the QR Code:



IF YOU DO NOT HAVE INTERNET ACCESS, contact the Conference Manager prior to December 21 to make arrangements to have hand-outs printed. A fee of \$5 per class will be charged.

MEALS:

The full breakfast buffets on Friday and Saturday, and Friday buffet lunch, are included in your registration fee.

There is an additional \$5.50 per person charge for the box lunch on Thursday, and \$7.00 for the Friday evening appetizers/program. You must register for both prior to December 21.

OPUS PROJECTS MANAGER TRAINING:

New this year is OPUS Projects. This is a twelve hour class, and you will need to attend all twelve hours to become an OPUS Project Manager. Don't forget your laptop! **The deadline for registering for this class is December 17, 2014.**

REGISTRATION:

Save \$5 by registering on line by going to:

<http://www.salinaseminarseries.com/register-pay.html> or by using the QR code.



You will be able to pay by check, or credit card, and you don't need a PayPal account.

Your registration confirmation will include a QR code. Please bring it with you to help speed up the check in process.

CERTIFIED FLOODPLAIN MANAGERS:

Floods.org has preapproved the Elevation Certificates class for 4 CEU's. They will evaluate your class attendance on an individual basis and may approve additional credit. Please contact them directly to have your attendance evaluated.



VISIT OUR WEBSITE AT:
www.salinaseminarseries.com

Schedule

Thursday, January 8, 2015

| | | | | | |
|--------------|--|------------------------|--|-----------------------------|------------------------------|
| 12:00 - 1:00 | Registration (Box Lunches Available for Pre-Order) | | | | |
| 1:00 - 2:50 | Tree ID Riggs | RLS Prep Boeh-Cerra | County Surveyors Schmitz & Cahalan | Elevation Cert Samuelson | Minimum Standards Johnson |
| 2:50 - 3:10 | Afternoon Break | | | | |
| 3:10 - 5:00 | LiDAR Scanning Taylor & Lynn | RLS Prep Continued | UAS Blanks | Elevation Cert Continued | KSBTP Brosemer/Graham |
| 6:30 - 10:00 | KSLs Board Dinner & Meeting | | | | |

Friday, January 9, 2015

| | | | | | | | |
|---------------|--|------------------------------------|----------------------|-------------------------------|------------------------------|---------------------------------|------------------------|
| 7:15 - 8:00 | E X H I B I T S O P E N | Registration & Full Breakfast | | | | | |
| 8:00 - 9:50 | | Pincushion Effect Lucas | Math 1 Zinn | Elevation Cert Samuelson | GPS Thompson/ Johnson | Land Descriptions Brosemer | OPUS Projects Stone |
| 9:50 - 10:10 | | Morning Break | | | | | |
| 10:10 - 12:00 | | Pincushion Effect Continued | Math 1 Continued | Elevation Cert Continued | GPS Continued | Subdivisions Savoy | OPUS Continued |
| 12:00 - 1:30 | | Lunch | | | | | |
| 1:30 - 3:20 | | Pincushion Effect Continued | Math II Zinn | Land Descriptions Brosemer | First Aid & CPR Creager | LiDAR Scanning Taylor & Lynn | OPUS Continued |
| 3:20 - 3:40 | | Afternoon Break | | | | | |
| 3:40 - 5:30 | | Pincushion Effect Continued | Math II Continued | GLO/1855 Penry | First Aid & CPR Continued | UAS Blanks | OPUS Continued |
| 5:45 - 7:00 | | Appetizers & Program - Derek Smith | | | | | |

Saturday, January 10, 2015

| | | | | | |
|---------------|----------------------------------|--------------------------|----------------------------|-------------------------|-------------------|
| 7:15 - 8:00 | Full Breakfast | | | | |
| 8:00 - 9:50 | Coordinate Geometry Cantu | Boy Scout Merit Lloyd | Title Insurance Coffelt | Minimum Stds Johnson | OPUS Continued |
| 9:50 - 10:10 | Morning Break | | | | |
| 10:10 - 12:00 | Coordinate Geometry Continued | Tree ID Riggs | Easements Coffelt | Harvey's Inst. Penry | OPUS Continued |

Registration Form

Sessions: (Please mark the circle for the session you plan to attend in each time slot) (# shown is hours: PDH /CEC)

January 8th Thursday Afternoon

- 1:00 - 5:00 Elevation Certificates/*Samuelson (4/4)*
- 1:00 - 5:00 RLS Prep/*Boeh-Cerra (4)*
- 1:00 - 3:00 Tree ID/*Riggs (2)*
- 1:00 - 3:00 Minimum Standards/*Johnson (2)*
- 1:00 - 3:00 County Surveyors/*Schmitz & Cahalan (2)*
- 3:00 - 5:00 UAS/*Blanks (2)*
- 3:00 - 5:00 KSBTP/*Brosemer & Graham (2)*
- 3:00 - 5:00 LiDAR Scanning/*Lynn & Taylor (2)*

January 9th Friday Morning

- 8:00 - 5:30 OPUS/*Stone (12) Saturday Required*
- 8:00 - 12:00 Pincushion/*Lucas (4)*
- 8:00 - 12:00 GPS/*Johnson & Thompson (4)*
- 8:00 - 12:00 Elevation Certificates/*Samuelson (4/4)*
- 8:00 - 12:00 Math II/*Zinn (4)*
- 8:00 - 10:00 Land Descriptions/*Brosemer(2)*
- 10:00 - 12:00 Subdivisions/*Savoy (2)*

January 9th Friday Afternoon

- 1:30 - 5:30 Pincushion Effect/*Lucas (4) Continued*
- 1:30 - 5:30 Math II/*Zinn (4)*
- 1:30 - 5:30 First Aid-CPR/*Creager (4)*
- 1:30 - 3:30 Land Descriptions/*Brosemer (2)*
- 1:30 - 3:30 LiDAR/*Taylor & Lynn (2)*
- 3:30 - 5:30 GLO/1855/*Penry (2)*
- 3:30 - 5:30 UAS/*Blanks (2)*
- 5:45 - 7:00 Photogrammetry & Appetizers (1) \$5

January 10th Saturday Morning

- 8:00 - 12:00 Coordinate Geometry/*Cantu (4)*
- 8:00 - 12:00 OPUS/*Stone(12) Friday Required*
- 8:00 - 10:00 Title Insurance/*Coffelt (2)*
- 8:00 - 10:00 Boy Scouts Merit Badge/*Lloyd (2)*
- 8:00 - 10:00 Minimum Standards/*Johnson (2)*
- 10:00 - 12:00 R. Harvey's Inst./*Penry (2)*
- 10:00 - 12:00 Tree ID/*Riggs (2)*
- 10:00 - 12:00 Easements/*Coffelt (2)*

Payment Methods:

Credit Card:

MC/VISA/DISC (Circle One)

Card No. _____

Exp. _____ CSC# _____

Name: _____

Check:

Make checks payable to: **Salina Chapter of KSLs**

Name: _____ Phone No: _____

Complete Address: _____

Email Address (Required) _____

Conference Fees:

| Credit Hours | Member | Retired/ Associates | Non- Members |
|--------------|--------|------------------------|-----------------|
| 4 | \$175 | \$110 | \$230 |
| 8 | \$205 | \$130 | \$270 |
| 12 | \$235 | \$150 | \$310 |
| 16 | \$250 | \$160 | \$330 |

| | |
|---|---------|
| Fees from above: | \$ |
| Manual Registration Fee (Register Online and save this fee.) | \$ 5.00 |
| Late Fee—Add \$50 after 12/7/14 | \$ |
| Thursday Lunch—\$5.50 each ** | \$ |
| Board Dinner—\$12.50 ** | \$ |
| Friday Night Appetizers & Speaker—\$7.00 ** | \$ |
| Handout Fees (\$5 per class) Deadline to order is 12/21/14. | \$ |
| Total Due | \$ |

** Deadline to purchase these meals is 12/21/2014.
Your meal tickets will be in your bag when you check in.

Specify special dietary needs: _____

See the "General Information" page for our
Cancellation Policy

**The last day to register for OPUS is
December 17, 2014**

Do you have Questions?

Call: 785-826-8958

Or email: manager@salinaseminarseries.com

Mail completed form and payment to:

Salina Seminar Series c/o Evelyn Cable
1232 W. Highway K143, Salina, KS 67401

KSLs 2014 Member? Yes/No

Salina Seminar Series

January 8 - 10, 2015



Webster Conference Center
2601 N. Ohio
Salina, Kansas 67401

Save \$5 by Registering at:
www.salinaseminarseries.com

Earn up to 17 PDHs

Pre-Approved for Kansas Minimum Standards

Pre-Approved for 17 Missouri PDHs

Floodplain Managers Earn CECs



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