2015 Fall Seminar Session Descriptions  
And Instructor Biographies  
October 8-9, 2015  
Kalahari Resort and Convention Center, Sandusky, OH  
Thursday, October 8  
Morning Sessions

Wars Between The States – Kris Kline, PLS (4 hours)  
This course focuses on U.S. Supreme Court decisions dealing with boundary disputes between states. Specific topics include riparian state boundary lines and application of acquiescence to state and municipal boundary disputes.

Case Studies in Surveying Applications for Laser Scanners – Mike Straub, PS, and staff (2 hours)  
This course will examine several applications used with laser scanners for surveying, including project overview, methods and results.

Evolving GIS: How GIS has evolved into a tool surveyors (and everyone else) can’t live without. – Marty Rowe, GISP, Loraine County Auditors Office (2 hours)  
GIS has evolved from a niche field for creating thematic maps into a critical industry that plays a vital role in many facets of our everyday lives. In this seminar we will discuss how far GIS has evolved, what’s on the horizon, the multitude of GIS data and tools now available without breaking the bank. The endless GIS tools and data available to today’s surveyors can be tapped to provide savings of both time and resources.

Specifications for Surveying and Mapping – ODOT District 3 Survey Department (4 hours)  
This class will provide an overview and update of ODOT Surveying and Mapping specifications from the staff of the District 3 Survey Department.

Afternoon Sessions

Whatever Floats Your Boat – Kris Kline, PLS (4 hours)  
Waterways represent one of the oldest transportation corridors in our country. This class focuses on the evolution of the many definitions of “Navigable Waterways” with relevant State Specific case law. Significant U.S. Supreme Court rulings from early formative decisions to the present day will be considered. This class also includes discussion of accretion and erosion, and considers various regulatory issues, including U.S.A.C.E. definitions.

Processing Survey Data using ODOT Standards in GEOPAK SELECT Series 4 – Mark McCloud, CADD Manager, ODOT office of CADD and Mapping Services  
This session provides users with instruction in processing survey data with GEOPAK SELECTseries 4 and the ODOTcadd Standards. Learning objectives for the session will be: Installing and configuring the ODOTcadd Standards, Managing survey data for ODOT Projects, Overview of ODOT survey field codes, Best practices for importing and editing survey data, the building and editing of terrain model data, Integrating point cloud data into survey

Forensic Mapping in Crash/Crime Scene Investigations – Trooper Christopher Jester, OHP (2 hours)  
Discussing the history and fundamentals of forensic mapping to include and overview of its use in crash/crime scene investigation. Examples and case studies of crashes, homicides, and post-blast (bombing) exercises will be presented. Examples include: Gunshot trajectories, Aircraft crash scenes, Motor vehicle crash scenes, Homicide scene documentation, Video analysis using total station data, Post-blast documentation/analysis and 3-D laser scanner work.

Case Studies in Emerging Technologies – NSPS Young Surveyors (2 hours)  
This session will be presented by selected members of the NSPS Young Surveyors group. It will focus on several case studies of cutting-edge technology use on survey projects nationwide, as well as an overview of this group – serving surveyors under 35 years of age.
Friday, October 9

Morning Sessions

**Adverse Possession Like You’ve Never Seen It** – Kris Kline, PLS (4 hours)
This course will be a state specific discussion of Adverse Possession and Prescriptive Easements, with relevant local case law. Specific topics include: Tacking; claims against the state; Claims made under mistaken belief; effects of ordinances on adverse claims; effects of a survey on a prescriptive claim; and Neighborly accommodation.

**ALTA 2016 Standards Update** – Gary Kent, PLS (4 hours)
Be a part of the first group to hear the new 2016 ALTA updates (which will be finalized the day before this session by the ALTA committee of NSPS). Gary Kent, chair of the NSPS ALTA committee, will present this session with up-to-the-minute information about adjustments to the ALTA standards and new information for 2016.

**Call Before You Dig** – Chuck Green, OUPS (2 hours)
This session will contain updates of the OUPS laws and procedures, and the latest information relevant to surveyors dealing with underground utilities in planning and field projects.

**The State of Surveying Education** – T. Michael Besch, PS (1 hour) and
**National Competition Team Project Overview** – University of Akron Surveying Students (1 hour)
The first half of this session will examine the development of the profession through the training and requirements of surveyors. An interesting look as the national discussion of licensure requirements and recruitment of new surveyors into the profession is ongoing, this discussion will include a look at today’s standards and provide a platform for future discussions.
The second half of this session will feature the University of Akron Surveying and Mapping student team who participated in the 2015 National Student Competition. They will present their project process, methods and findings to those in attendance, along with feedback on the competition experience (which was supported in part by PLSO).

Afternoon Sessions

**Three New Ways to Find Trouble** – Kris Kline, PLS (3 hours)
This class will focus on three issues: 1) Lands protected by the Public Trust Doctrine; 2) In-depth discussion of Easements and the Doctrine of Merger and 3) Slander of title. These topics have recently come home to roost at the doorsteps of some unhappy land surveyors.

**State Board of Registration: Ethics** – John Greenhalge, Executive Director SBRES (1.5 hours)
This program covers the Code of Ethics for Professional Engineers and Professional Surveyors as well as other areas of the laws and rules that result in violations of Ohio law. This program discusses case studies and examples involving recent violations of the registration act and how to avoid them.

**State Board: Investigations** – Jason McLean, Enforcement Supervisor SBRES (1.5 hours)
This program covers the State Board of Registration for Professional Engineers and Surveyors investigations and enforcement program. The program covers the requirement for reporting violations and filing complaints; common violations; the Board’s proactive enforcement effort; the investigation process; filing administrative and criminal charges; and the hearing and appeal process.

**Using Cad to Generate Field Geometrics and 3D Modeling** – Tom Peak, PS, Carlson Software (1.5 hours)
**Using Office Geometrics and 3D Modeling in the Field** – Tom Peak, PS, Carlson Software (1.5 hours)
These sessions will focus on creating horizontal, vertical alignments and templates from various methods in the office. These can be used for the layout of roadways, underground utilities or any surveying that may use baselines. Use these alignments in the field for stakeout to assure accuracy, speed production and to make life easier in general.
**Instructor Biographies**

**Thomas (Mike) Besch, P.S.** has recently retired from duties as a Full Professor and Program Director of Surveying, Mapping and GIS Technology at the University of Akron. He has taught the full range of surveying and mapping courses from basic to advanced surveying. He has also taught courses in all areas of construction surveying and design, as well as legal courses, and is a professional registered surveyor in the State of Ohio (S-8056). Mr. Besch is also a retired US Army CW4 (Geodetic and Topographic Surveyor as well as Terrain Analyst) with over 28 years of world-wide surveying and mapping experiences in Mapping, Charting and Geodesy operations. His military assignments have taken him from the jungles of SE Asia to the deserts of SW Asia. He has served in US Army Topographic Battalions as well as Joint assignments with the Defense Mapping Agency and School. Mr. Besch holds a BS in Management and Technology (Surveying) from the University of Maryland and an MA degree in Geography/Cartography from the University of Akron. He has also held the position of Master Instructor at the Defense Mapping School and is currently on the Board of Governors (State of Ohio representative) of the National Society of Professional Surveyors. During Spring break 2010 he led a trip to Egypt to visit sites important to surveyors.

**Chuck Green** has worked as a Public Awareness & Services Coordinator for the Ohio Utilities Protection Service (O.U.P.S.) since 2007. Primarily servicing the Northern Ohio Region, Chuck works closely with contractors, excavators, contract locators to spread the message of damage prevention. He provides safety talks to industry groups, participates in several Damage Prevention Councils and Utility Coordinating Councils and promotes cooperation amongst all stakeholders. In addition, Chuck acts as the communication link between O.U.P.S. member facility companies and O.U.P.S. management.

**John F. Greenhalge** is the Executive Director of the Ohio State Board of Registration for Professional Engineers and Surveyors. John has been with the Board since 1998, previously serving as the Board’s Enforcement Supervisor and as the Assistant Executive Director. Prior to joining the Board John worked as an investigator for the Franklin County Prosecuting Attorney’s office and as a loss prevention and human resources investigator for Sears Roebuck & Co. John has a Bachelor of Science degree in Business Administration and a Masters of Business Administration degree from Ashland University. John has served on numerous national committees for the National Council of Examiners for Engineering and Surveying (NCEES) including the Committee on Law Enforcement, the NCEES Leadership Task Force and the Member Board Administrators Committee. John was recently appointed to Chair the NCEES Committee on Law Enforcement for 2015. John is a recipient of the NCEES Distinguished Service Award for outstanding service to the Central Zone, NCEES and the engineering and surveying profession.

**Tooper Christopher Jester** is a 21-year veteran of the Ohio State Highway Patrol and has served with the division’s crash reconstruction unit since 2004. Responsible for the northeast Ohio area, Tpr. Jester has assisted up to 48 different agencies with crash/crime scene reconstruction work in both Ohio and West Virginia. Most cases have required courtroom presentations and testimony concerning criminal and civil matters. Some of his duties include forensic mapping, speed calculations, crash data recorder analysis, occupant kinematics, and evidence processing. In addition to his work with the Patrol, he also participates in homicide task forces for three counties – primarily with forensic mapping and crime scene documentation. To date, Tpr. Jester has had over 800 hours of training in crash/crime scene investigation and reconstruction. As a member of the reconstruction unit, he is subject to a 24 hour on-call schedule and trained on the use of the total station, 3D laser scanner, and accompanying CAD programs.

**Gary Kent, PLS** is Integrated Services Director for The Schneider Corporation, a land surveying, GIS and consulting engineering firm based in Indianapolis and with offices in Indiana, North Carolina and Iowa. He is in his 32nd year with the firm and his responsibilities include serving as project and account manager, safety, corporate culture, training, coaching and mentoring members of the surveying staff, and advising the GIS Department on surveying matters. Gary is a graduate of Purdue University with a Bachelor of Science Degree in Land Surveying. He is registered to practice land surveying in Indiana and Michigan. Gary is chair of the committee on ALTA/ACSM Standards for ACSM/NSPS and is the liaison to NSPS/ACSM for the American Land Title Association. He is also past-president of the American Congress on Surveying and Mapping and twice past-president the Indiana Society of Professional Land Surveyors. A member of the adjunct faculty for Purdue University from 1999-2006, Gary taught Boundary Law, Legal Descriptions, Property Surveying and Land Survey Systems and was awarded “Outstanding Associate Faculty” and “Excellence in Teaching” awards for his efforts. Gary is in his eleventh year on the Indiana State Board of Registration for Professional Surveyors. He regularly presents programs across the country on surveying and GIS topics, and he also writes a column for *The American Surveyor* magazine.
Kris Kline, PLS, 2Point, Inc. president of 2Point, Inc., has a four-year degree (class of '84) in general science from Bridgewater College of Bridgewater, Va. and he has been involved in the surveying profession since graduation. In the summer of '84, he moved to Brevard, N.C., and took his first N.C. surveying position as crew chief for William Leonard, P.L.S. After working for several firms in North Carolina, Kris became licensed in 1991 (P.L.S. L - 3374). He is a 1999 graduate of the North Carolina Society of Surveyors (N.C.S.S.) Institute, a three-year continuing education program that has drawn national attention for the quality of its curriculum and instructors. Kris served for a year as the Chairman of the Standards of Practice Committee for N.C.S.S., followed by 5 years as Chairman of the N.C.S.S. Education Committee. He has appeared as an expert witness in court on numerous occasions, and has spent the last several years in the hard school of boundary dispute (an informal class taught the hard way with no fixed curriculum, location, or schedule!) Kris is an experienced boundary consultant and has been teaching classes in North Carolina since 2001 on subjects including Boundary Retracement, Intent of the Parties, Riparian (water) Boundaries, and Adverse Possession. He has recently been invited to teach in numerous states across the country and and writes a bi-monthly column for "Point of Beginning", a professional trade journal for Surveyors. An experienced rock climber and backpacker, activities that mesh well with his chosen profession, Kris keeps llamas on his property (he haven’t used them for work yet, but he may!).

Jason McLean is responsible for supervision of the Board’s enforcement and investigations unit. This unit is charged with investigating all complaints against regulated individuals and firms and those practicing engineering and surveying illegally. Prior to joining the Board Jason was an investigator with the state of Ohio for over eight years and had five years of experience as a police officer. Jason possesses a broad background in conducting investigations and extensive knowledge of investigations and interviewing procedures. Jason also continues to devote his time away from the Board as a part-time police officer in Ohio. Jason earned his Bachelors of Science in Criminal Justice from the University of Toledo in 1998 and has been a member of the Ohio Investigators Association since 2002. He has completed several advanced courses in investigative techniques, interviewing, interrogation and regulatory enforcement through organizations such as John E. Reid & Associates, the Council on Enforcement and Regulation (CLEAR) and the Ohio Attorney General’s Office.

Mark McCloud, CADD Manager, ODOT Office of CADD and Mapping Services
Full biography will be added upon receipt

Thomas Peak, PS is an Ohio Registered Surveyor. He began surveying in the military conducting both conventional plane and geodetic surveys and then worked as a land surveyor in Ohio where he obtained his license. He then worked for multiple ENR top 50 contractors as District Surveyor and Director of Surveying, leading conventional and GPS survey operations as well as GPS machine control teams. He began working for Carlson Software in 2008 and is currently the Regional Director for Ohio, Indiana and Michigan. He has 30+ years of experience in military, land, construction surveying and computer-aided design and drafting.

Marty Rowe, GISP, GIS Manager - Lorain County Auditor's Office Marty has worked for the Lorain County Auditor's Office in the GIS department since 1998, and has been the GIS manager since 2003. In his 17 years in GIS he has helped the Lorain County Auditor evolve from hand-drawn mylar tax maps to a fully implemented enterprise GIS with a department that now provides products and services to many local departments and agencies.

Michael Straub, PS, President, Straub Surveying, LLC
Full biography will be added upon receipt