

Hotel Information

Hotel rooms are available at the Conference Center. For reservations, please call 410-859-5700. Hotel rooms are \$135 for a single and \$185 for a double.

Driving Directions to the Conference Center at the Maritime Institute

[Click here](#)

Sessions are in the Academic Building. Park in Lot "A,B"

[Click here](#) for the layout of the Academic Building

The Maryland Society of Surveyors (MSS) is an approved provider for both CPC Surveying Credits and PDH Engineering Credits

Want to be a conference sponsor? [Click Here](#)

Spring Technical Conference Program

Sponsor



**Thursday,
April 7**

7:00 AM - 5:00 PM	Registration Open	Auditorium Corridor
7:00 AM - 8:00 AM	Continental Breakfast	Auditorium Corridor
8:00 AM - 12:00 Noon	Riparian Boundary Issues - Whatever Floats Your Boat (morning session - course will continue in afternoon) 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 and statutes. Significant U.S. Supreme Court rulings from early formative decisions to the present day will be considered. Ownership of the fee, Rights of Navigation and interpretation of riparian descriptions will be discussed.	Auditorium

This class also includes discussion of accretion and erosion, and considers various regulatory issues, including U.S.A.C.E. definitions.

8 "A" Level CPC / 8 PDH

This session satisfies COMAR 09.13.08.04B requirements (also known as Ethics and Law)

You must attend morning and afternoon sessions to obtain credits.

[Click here](#) to download handout needed for this class.

Presenter: Kris Kline, 2Point, Inc.

8:00 AM - 12:00 Noon	Ownership Transition	Bridgeroom
	(morning session - course will continue in afternoon)	

The average age of a surveyor in the United State is 58, meaning a great number will soon be retiring. Proper planning of Ownership Transition can optimize a surveying firm's value and maximize the likelihood of a successful transition that accomplishes the owner's goals. Whether you are an owner looking at retirement, a middle age surveyor wishing to plan ahead, or an individual interested becoming an owner, this seminar will help plan a successful transition.

Topics discussed include: goals; employee and family considerations; timing; preparation and planning; value optimization; different ownership transition structures, approaches, strategies and options; pay-out options; identifying potential buyers; and other key issues and considerations.

8 "A" Level CPC / 8 PDH

You must attend morning and afternoon sessions to obtain credits.

[Click here](#) to download handout needed for this class.

Presenter: Charles Pecchio, Kingston Capital Corp.

8:00 AM - 12:00 Noon	Survey Methods and Applications in Environmental Practice	A111/A113
-------------------------	--	-----------

Surveying Services have become an increasingly important component of a wide variety of environmental and geological/geotechnical projects, yet disconnects between what is actually required and what is thought to be required remain common problems that can pose significant problems for the consultant. This seminar attempts to explain in detail to the surveyor, and in particular field personnel responsible for data gathering, the terminology and methods for gathering and reporting requested environmental information. Proper methods for surveying various types of wells, borings, features of environmental interest, methods of surveying and mapping natural resources, as well as the health and safety considerations associated with environmental projects will be covered. A

number of examples showing not only how to conduct specific environmental surveys, but also what the consulting geologist or geosciences engineer will do with that data will be offered in support of the recommended survey methods. [participants should bring an engineer's scale, protractor, graph paper, triangle and calculator as we will work some simple problems].

4 "A" Level CPC / 4 PDH

Presenter: William Stephens, Stephens Environmental Consulting, Inc.

12:00 Noon - 1:00 PM	Lunch	Main Dining Room
1:00 PM - 5:00 PM	Riparian Boundary Issues (con't)	Auditorium
1:00 PM - 5:00 PM	Ownership Transition (con't)	Bridgeroom
1:00 PM - 5:00 PM	Performing High Accuracy Horizontal and or Vertical Control Surveys for Large Projects	A111/A113

If you can do large projects, the small projects are easy! Learn about standards and specifications for traverse and levels using GPS and conventional survey techniques. How the specifications are developed will also be discussed. The following topics will be included: Leap Frog Traverse: the right way to do it; Refraction errors in traverse and leveling and how to avoid them; understanding how geometry effects the accuracy of your GPS and conventional survey control and what you can do about it; understanding how error propagation effects the accuracy of your survey control and what you can do about it; software computation techniques for traverse and levels; things you should consider about how your software works; trig leveling and what simple thing you can do to make it twice as accurate; how to plan a static GPS project; project planning and design for large horizontal and vertical control projects; the advantage of using static GPS for survey control; how to overcome problems in the field that effect your survey measurements.

4 "A" Level CPC / 4 PDH

[Click here](#) to download handout needed for this class.

Presenter: Alan Dragoo, Maser Consulting

**Friday,
April 8**

7:00 AM - 5:00 PM	Registration Open	Auditorium Corridor
----------------------	--------------------------	------------------------

7:00 AM - 8:00 AM	Continental Breakfast	Auditorium Corridor
----------------------	------------------------------	------------------------

8:00 AM - 12:00 Noon	Courtroom Preparation and Testimony	Auditorium
-------------------------	--	------------

Courtroom testimony is one of the most difficult responsibilities that a professional surveyor can assume. The student will follow the entire process from the initial client contact to the courtroom. Methods of collecting, preserving, and presenting evidence will be discussed, along with depositions and preparation for testimony. Courtroom demeanor and presentation skills will be addressed, along with tips for enhancing your professional appearance and danger signs to watch for in cross-examination. Aspects of concise communications with your client and attorney, opposing attorneys, and with the judge and jury will be discussed. This course will include case studies from the Maryland Courts.

4 "A" Level CPC / 4 PDH

This session satisfies COMAR 09.13.08.04B requirements (also known as Ethics and Law)

[Click here](#) to download handout needed for this class.

Presenter: Kris Kline, 2Point, Inc.

8:00 AM - 12:00 Noon	Montgomery County and DC Land Patent	Bridgeroom
-------------------------	---	------------

After much research and many years in the making, Jim Demma will be presenting a history of a 1688 Maryland land patent, containing 1,176 acres of land, a "portion" of which in 1776 became the first such patent describing land located in Montgomery County, and which ironically was given the name of "The Girls Portion." This presentation will also include a discussion of the Maryland land patent system, colonial surveying practices, the transfer of title to real estate by deeds and inheritances, the English background to our land laws prior to the American Revolution, the history of the prominent Maryland Carroll family, and other such topics which the surveying community always find to be interesting.

4 "A" Level CPC / 4 PDH

This session satisfies COMAR 09.13.08.04B requirements (also known as Ethics and Law)

Presenter: Jim Demma, Miles & Stockbridge P.C.

8:00 AM - 12:00 Noon	Round Table (Early Montgomery Co Road 1791)	A111/A113
-------------------------	--	-----------

This workshop will discuss one of the earliest roads established in Montgomery County, the Mouth of Monocacy to Greens Bridge Road, which was established in 1791 just three years after Maryland became a State in 1788. The right of way information on early roads is often hard to

find and locate which leads many people to believe that the right of way is prescriptive, but this workshop will discuss how this road right of way was established, surveyed, platted and acquired.

4 "A" Level CPC / 4 PDH

This session satisfies COMAR 09.13.08.04B requirements (also known as Ethics and Law)

Presenter: Henry Emory, Montgomery County, MD and Mike Boyce, ESE Consultants, Inc.

12:00 Noon
- 1:00 PM

Lunch

Main Dining
Room

1:00 PM -
5:00 PM

Adverse Possession Like You've Never Seen It

Auditorium

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; Neighborly Accommodation.

4 "A" Level CPC / 4 PDH

This session satisfies COMAR 09.13.08.04B requirements (also known as Ethics and Law)

[Click here](#) to download handout needed for this class.

Presenter: Kris Kline, 2Point, Inc.

1:00 PM -
5:00 PM

Wetlands Basics For Surveyors

Bridgeroom

This short course will provide an overview of the Federal and State of Maryland regulations as they pertain Waters of the US, including wetlands. It will cover the indicators and techniques that are used to identify these features in the office and in the field. Wetlands, common wetland vegetation, hydrologic, and soil indicators will be reviewed in class and (weather and site conditions permitting) in the field. Differences between streams and wetland delineations and the importance of each will also be discussed.

4 "A" Level CPC / 4 PDH

Presenter: David Merkey, Greenman - Pedersen, Inc.

1:00 PM -
5:00 PM

OPUS (Part 1 of 2)

A111/A113

(Part 2 offered on Saturday 8:00 am to 5:00 pm)

NGS's Online Positioning User Service (OPUS) includes a variety of features, including OPUS-Projects, which gives users web-based access to simple management and processing tools for projects involving multiple sites and multiple occupations. This one and a half day training provides information to successfully use OPUS-Projects for your own projects. Once the training

is completed, you'll be given an opportunity to register your email address authorizing you to create and process new OPUS-Projects. A project containing a training data set will be assigned to you. You'll have an opportunity to work along with the presentations. In addition, time is allotted for you to explore your project individually.

12 "A" Level CPC / 12 PDH

You must attend all hours Friday and Saturday to obtain your credits.

Presenter: Scott Lokken, National Geodetic Survey

**Saturday,
April 9**

7:00 AM - 5:00 PM	Registration Open	Auditorium Corridor
7:00 AM - 8:00 AM	Continental Breakfast	Auditorium Corridor
8:00 PM - 12:00 PM	Property Rights on the "Z" Axis	Auditorium

The first portion of this course considers the interaction of horizontal drilling and hydraulic fracturing with property boundaries, and includes discussion of easements associated with mining interests and other horizontal estates in land. A discussion of Railroad easements and rights of way includes hands-on problems for the student and demonstrates how the courts determine ownership of the railroad corridor.

8 "A" Level CPC/8 PDH

This session satisfies COMAR 09.13.08.04B requirements (also known as Ethics and Law)

[Click here](#) to download handout needed for this class.

Presenter: Kris Kline, 2Point, Inc.

8:00 AM - 12:00 Noon	Certified Survey Technician (CST) Examination	Bridgeroom
-------------------------	--	------------

The National Society of Professional Surveyors (NSPS) sponsors a comprehensive national certification program for survey technicians. The program is recognized by the U.S. Department of Labor as part of the National Apprenticeship Program. The Survey Technician Certification Board (STCB), which administers this program, recognizes the importance of technicians to the surveying and mapping profession. This four-level certification program for surveying technicians throughout the United

States indicates official recognition by NSPS-ACSM that a person has demonstrated that he or she is minimally competent to perform surveying tasks at a specified technical level. Certification provides the individual with a sense of achievement, since it reflects advancement in the field of surveying. Certification also provides employers with a method of determining job assignments and advancement since certification is an indication of one's ability to perform specific job tasks. If you plan on sitting for this examination, the registration is a two-step process.

How long are the exams?

Level I = 200 questions (4 hours to complete)

Level II = 180 questions (6 hours to complete)

Level III = 150 questions (6 hours to complete)

You must:

1. Register to attend the Spring Conference on Saturday April 9, 2016 and select CST Exam under the Saturday Sessions.

2. **[Click here](#) to download the NSPS CST Exam Application. Complete and return to NSPS with testing fee. \$120.**

[Click here](#) to go to the NSPS website for more information.

Exam Proctor: George Wigfield

8:00 AM - 12:00 Noon	OPUS (Part 2)	A111/A113
	<i>Presenter: Scott Lokken, National Geodetic Survey</i>	
12:00 Noon - 1:00 PM	Lunch	Main Dining Hall
1:00 PM - 5:00 PM	Property Rights on the "Z" Axis (con't)	Auditorium
1:00 PM - 3:00 PM	CST Exam (con't)	Bridgeroom
1:00 PM - 5:00 PM	OPUS (Part 2 con't)	A111/A113