

Convention 2009

Purpose

The West Virginia Convention 2009 presents practical ideas and techniques for immediate application to working situations, promotes discussion of mutual surveying and geographic information systems problems and provides an opportunity for updating knowledge in these areas.

Who Should Attend

The Convention is designed for surveyors, engineers and others involved in boundary, control, topographic, engineering, route, and construction surveying, as well as for individuals involved in cartography, photogrammetry, land and geographic-information systems, and computer-aided design and drafting.

Accommodations

Participants are responsible for their own housing arrangements. A block of rooms has been reserved for WVSPS at the Waterfront Place Hotel for conference participants. Room rates will be \$89. **This room rate does include parking. Please mention that you are with the WVSPS Convention** when making your reservation. Reservations may be made by calling **304-296-1700**. Reservations **must be made by February 27, 2009** in order to receive the special room rate. Any reservations made after that date could receive a higher room rate.

Fee and Registration

Full registration fee covers Thursday Lunch, Thursday Dinner, Friday Lunch, Friday Banquet, Saturday Breakfast and Saturday Lunch and all breaks. A late fee is added to all registrations postmarked after February 9, 2009. The registration fee may be paid by check, money order or credit card (Visa or MasterCard). To register for the convention, complete the registration form and return to WVSPS, HC 82 Box 40B, Lewisburg, WV 24901. Your receipt for registration will be emailed or paper mailed. Feel free to make as many copies of the registration form as you wish.

Exhibits

Representatives from various equipment suppliers will be present to answer questions and to demonstrate their equipment. Through these exhibits, attendees can learn about new techniques and technology in the field. Please plan on stopping in at the Exhibit Hall.

Antique Equipment Display

There will be an antique surveying instrument display organized and manned by the West Virginia Affiliate of the Surveyors Historical Society. If you have any old or antique equipment for display, please bring it with you when you register.

Spouse Program

Plan to attend, relax and enjoy yourself. The Auxiliary is planning a fun filled program. Friday morning will be their annual business meeting, with the ever so popular white elephant sale on Friday afternoon. Don't forget to bring your wrapped gift to be auctioned to the highest bidder.

Refunds and Cancellations

Refunds of the full convention fee will be made for cancellations received in writing before January 1, 2009. After that, the individual or organization will be held responsible for the fee. Anyone who is registered but cannot attend may send a substitute. WVSPS may cancel or postpone any course or activity because of insufficient enrollment or unforeseen circumstances.

West Virginia Society of Professional Surveyors
41st Annual Convention
Waterfront Place Hotel, Morgantown, West Virginia
February 26-28, 2009

Wednesday, February 25, 2009

5:00 p.m. Exhibitors Registration
8:00 p.m. Board of Directors Meeting

Thursday, February 26, 2009

7:30 a.m. Registration Open
Exhibit Hall Open

8:30 a.m. Opening Ceremonies – James “Rick” Witte, PS (2 PDH)
Invocation --
Welcome – Richard R. Casteel, PS, Convention Chairman
Keynote speakers-West Virginia Board of Examiners of Land Surveyors

10:30 a.m. Opening Ceremonies Break

10:45 a.m. General Membership Meeting (1 PDH)

12:00 p.m. End of Meeting
Exhibit Hall Closed

12:00 p.m. Luncheon Awards: Map Contest Winners

1:15 p.m. **Seminar: Surveyors Role in a Legal System** (4 PDH)
Speaker: Donald Wilson
While a surveyor does not practice law, routine practice demands the use and interpretation of legal documents, the creation of legal documents or surveys which will become included in, or form the basis of, legal documents. In addition, the surveyor must be knowledgeable about the legal system in order to properly function as an expert witness when needed.

1:15 p.m. **Seminar: Erosion and Sediment Control for Land Surveyors** (4 PDH)
Speaker: Ron Fink, PS
With development occurring everywhere, the need for erosion and sediment control plans have never been greater. This course will be an introduction to the laws and regulations that govern land disturbances and the associated practices used to treat runoff before being released. References from West Virginia and Virginia will be utilized to expose those in attendance to methodologies and techniques for site disturbance protection and treatment for areas ranging from ¼ acre to hundreds of acres in size.

1:15 p.m. **Seminar: WV Floodplain Management** (4 PDH)
Speaker: Robert Perry, Tim Keaton, Todd Miller and Jerry Gilbert
This presentation will cover Flood Map Modernization issues of interest to Professional Surveyors. The centerpiece will be a “hands on” exercise specifically tailored to accessing and using Flood Maps via paper, online or GIS formats including how to determine an accurate Base Flood Elevation using the flood profiles in the official Flood Insurance Study. The session will also present information concerning a new method surveyors can use to help their customers determine a Flood Elevation in Approximate A zones. A general discussion of Letter of Map Amendment procedures with “lessons learned” to help your customer successfully, and less expensively, obtain a flood map amendment will round out this informative and useful session. Due to the hands on nature of this course and limited computer equipment attendance is limited to 20 participants so sign up early!

1:15 p.m. **Seminar: Abstract--Machine Control and its Impact on Civil Engineering and Surveying** (4 PDH)
Speaker: Harry O. Ward, PE, Carlson Software and Keith E. Klingensmith, PE
Why Is There Such An Issue In Obtaining 3D/GPS Data? - (Ward)
• OVERVIEW
1. The movement nationwide to require a PE or an LS to stand behind data prep.
2. Identify the problems contractors have that are directly caused by design firms.
• Explanation of how a civil design firm can develop construction site data to facilitate the flow of data through a project.
• Barriers toward industry-wide use of 3-D modeling
o Financial costs
o Experience vs. perception
The Flux in the Construction & Surveying Industry - (Klingensmith)
• Machine Control: The end of Surveying?
• Mechanics of 3DMC: A Foot is a Foot...
• Mechanics of 3DMC pt. II: CNC isn't Just for Metal
• So Easy, Even a Surveyor could Do it
• When the Numbers go Wrong: CYA is getting Tougher
• Probable Cause: CIS to the Rescue
What Concepts Are Involved In Developing Accurate 3D Data? - (Ward)
• Important processes & data types
• Data migration and data sharing

- Quality control and assurance
- Ramifications to Other Parts of the Business Model
- Actual case studies
- Competitive advantage – better coordinated plan sets

Practical Applications - (Ward)

- Examples of Data Prep and How to Prepare It

Accuracy and Integrity of Data - (Ward)

- Intellectual property – copyright ownership
- Business planning – integrating, marketing, advertising
- Estimated revenues for average size land survey firm
- Estimated start-up costs to implement
- Insurance liability considerations

Summary - (Ward)

1:15 p.m.

Seminar: Common Sense for Surveyors

(4 PDH)

Speaker: Don Teter, PS

Good measurement skills and a solid understanding of boundary law concepts are important for surveyors, but too often overlooked is the need for common sense. Like most of us, the instructor could have used more of this in the early stages of his career (and some might say he is still lacking!). This course explores the need for common sense, and striving to achieve it. The instructor draws upon his own experiences and mistakes, and those of other surveyors, and encourages the seminar participants to assist him and each other in developing their common sense skills.

Topics discussed include: Common sense and your employees or co-workers; Common sense in relationships with clients and adjoining; Common sense in interactions with other surveyors; Common sense in working with attorneys, realtors, and other professionals; Common sense in dealing with survey Licensing Boards; Common sense in boundary research; and Common sense in applying boundary principles. The last topic will include some viewpoints many surveyors may not agree with, and the instructor invites you to come and debate these points.

1:15 p.m.

Seminar: Minimum Standards and Ethics for Licensed Surveyors in WV

(4 PDH)

Speaker: Joe Curd, PS

Minimum Standards for Licensed Surveyors in West Virginia: Review laws and regulations governing the practice of land surveying in West Virginia, including revisions to laws made during the last legislative session.

Ethics for Licensed Surveyors in West Virginia: Discuss surveyor's obligations to his client, the public, and the profession, and will propose a professional code of conduct.

Exhibit Hall Open

2:10-2:20 p.m.

Break-Surveyors Role in a Legal System

Visit Exhibit Hall

2:10-2:20 p.m.

Break-Erosion and Sediment Control for Land Surveyors

Visit Exhibit Hall

2:20-2:30 p.m.

Break-WV Floodplain Management

Visit Exhibit Hall

2:20-2:30 p.m.

Break- Abstract--Machine Control and its Impact on Civil Engineering and Surveying

2:30-2:40 p.m.

Break-Common Sense for Surveyors

Visit Exhibit Hall

2:30-2:40 p.m.

Break-Minimum Standards and Ethics for Licensed Surveyors in WV Visit Exhibit Hall

3:40-3:50 p.m.

Break-Surveyors Role in a Legal System

Visit Exhibit Hall

3:40-3:50 p.m.

Break-Erosion and Sediment Control for Land Surveyors

Visit Exhibit Hall

4:00-4:10 p.m.

Break-WV Floodplain Management

Visit Exhibit Hall

4:00-4:10 p.m.

Break- Abstract--Machine Control and its Impact on Civil Engineering and Surveying

4:10-4:20 p.m.

Break-Common Sense for Surveyors

Visit Exhibit Hall

4:10-4:20 p.m.

Break-Minimum Standards and Ethics for Licensed Surveyors in WV Visit Exhibit Hall

5:15 p.m.

End of Seminars

5:30 p.m.

Social Hour held in Exhibit Hall

6:30 p.m.

Exhibitors Dinner

7:30 p.m.

Surveyors Historical Society Meeting

8:30 p.m.

County Surveyors Meeting

8:30 p.m.

Hospitality Suite Open

Hosted by: Virginia Resource Mapping

Friday, February 27, 2009

7:00 a.m.

Past President's Breakfast **(Past Presidents Only)**

7:30 a.m.	Registration Open Exhibit Hall Open	
8:00 a.m.	Seminar: Professional Liability of the Land Surveyor Speaker: Donald Wilson A one-day examination of the liability incurred by the land surveyor in everyday practice. Discussion and comparison of authority, responsibility, and liability. Topics include standard of care, the discovery rule, contracts, expressed and implied guarantees, torts, negligence, and damages. Some recent cases will be reviewed.	(8 PDH)
8:00 a.m.	Seminar: Evidence and Procedures Speaker: Jeff Lucas There is a line of thinking within and without the surveying community that goes something like this: <i>The surveyor's only role is to deal with the facts as contained in the client's deed; all other issues with regard to boundaries can only be determined by a court of competent jurisdiction.</i> The obvious problem with this line of thinking is that, if this is truly the case, society does not need land surveyors. Boundary determinations boil down to two questions: A question of law and a question of fact. "The question of what is a boundary line is a matter of law, but the question of where a boundary line, or a corner, is actually located is a question of fact." <i>Walleigh v. Emery</i> , (Pa.Super.Court. 1960). "In resolving a boundary line dispute, the trier of fact must evaluate all of the evidence and assess the credibility of the witnesses." <i>Jackson v. Bownas</i> , (Tenn.App. 2005). The question of what the boundary is and where the boundary is located can be answered by the land surveyor who has gathered the relevant evidence, evaluated that evidence, and has formed a well reasoned opinion based on the law and the facts in light of the surrounding circumstances. Evidence and procedures for land surveyors will explore this process and the reasonable conclusions to be drawn from it. Power Point presentation.	(4 PDH)
8:00 a.m.	Seminar: Introductory Hydrology and Hydraulics for Land Surveyors Speaker: Ron Fink This presentation will give those in attendance a real world introduction to the application of hydrologic methodologies and hydraulic designs for a variety of situations. The Hydrology portion will cover the hydrologic cycle, hydrographs for different runoff calculation methods, and how to use flow data once acquired. The hydraulics portion of the seminar will cover the design of pipes, culverts (with and without headwalls), ditch design, and elementary pond design including basic outlet structures including orifices and weirs. The course will also provide detailed example problems and solutions as well as computer software application examples.	(4 PDH)
8:00 a.m.	Seminar: Underground Mining Speaker: Lantz Rankin, PS This course will discuss various topics related to underground surveying in the State of West Virginia. The course will include a general orientation, safety concerns, discussion of techniques and equipment, regulatory requirements and emergency preparedness.	(4 PDH)
8:00 a.m.	Seminar: WV Floodplain Management Speaker: Robert Perry, Tim Keaton, Todd Miller and Jerry Gilbert This presentation will cover Flood Map Modernization issues of interest to Professional Surveyors. The centerpiece will be a "hands on" exercise specifically tailored to accessing and using Flood Maps via paper, online or GIS formats including how to determine an accurate Base Flood Elevation using the flood profiles in the official Flood Insurance Study. The session will also present information concerning a new method surveyors can use to help their customers determine a Flood Elevation in Approximate A zones. A general discussion of Letter of Map Amendment procedures with "lessons learned" to help your customer successfully, and less expensively, obtain a flood map amendment will round out this informative and useful session. Due to the hands on nature of this course and limited computer equipment attendance is limited to 20 participants so sign up early!	(4 PDH)
9:30-9:40 a.m.	Break-Professional Liability of the Land Surveyor	Visit Exhibit Hall
9:30-9:40 a.m.	Break-Evidence and Procedures	Visit Exhibit Hall
9:40-9:50 a.m.	Break-Introductory Hydrology and Hydraulics for Land Surveyors	Visit Exhibit Hall
9:40-9:50 a.m.	Break- Underground Mining	Visit Exhibit Hall
9:40-9:50 a.m.	Break-WV Floodplain Management	Visit Exhibit Hall
10:40-10:50 a.m.	Break-Professional Liability of the Land Surveyor	Visit Exhibit Hall
10:40-10:50 a.m.	Break-Evidence and Procedures	Visit Exhibit Hall
10:50-11:00 a.m.	Break-Introductory Hydrology and Hydraulics for Land Surveyors	Visit Exhibit Hall
10:50-11:00 a.m.	Break- Underground Mining	Visit Exhibit Hall
10:50-11:00 a.m.	Break-WV Floodplain Management	Visit Exhibit Hall
12:00 p.m.	End of Seminars Exhibit Hall Closed	
12:00 p.m.	Luncheon	Speakers: Out of State Guests
1:15 p.m.	Seminar: Professional Liability of the Land Surveyor (continued) Speaker: Donald Wilson	(8 PDH)

A one-day examination of the liability incurred by the land surveyor in everyday practice. Discussion and comparison of authority, responsibility, and liability. Topics include standard of care, the discovery rule, contracts, expressed and implied guarantees, torts, negligence, and damages. Some recent cases will be reviewed.

1:15 p.m.

Seminar: What Went Wrong?

(4 PDH)

Speaker: Jeff Lucas

What happens when our "rules of surveying" come against what the law says and what equity demands? Our rules of surveying give way to the law and equity, often leaving the land surveyor wondering: "What Went Wrong?" This seminar will explore the answer to this question by a detailed study of 4 recent court cases where the surveyor and the survey went terribly astray resulting painful lessons we can all learn from studying the cases, without having to endure the pain ourselves. These lessons are much better learned in a seminar environment rather than in the real world. Power Point presentation.

1:15 p.m.

Seminar: Erosion and Sediment Control for Land Surveyors

(4 PDH)

Speaker: Ron Fink, PS

With development occurring everywhere, the need for erosion and sediment control plans have never been greater. This course will be an introduction to the laws and regulations that govern land disturbances and the associated practices used to treat runoff before being released. References from West Virginia and Virginia will be utilized to expose those in attendance to methodologies and techniques for site disturbance protection and treatment for areas ranging from ¼ acre to hundreds of acres in size.

1:15 p.m.

Seminar: Everything You Wanted To Know About TDS Survey Pro

(4 PDH)

Speaker: Ray Kerwin

This class will cover TDS windows version of Survey Pro data collection from starting a Job, performing a topographic survey to construction layout. Topics that will be covered are: new features, software upgrading or maintaining, collector settings, reflectorless, robotics operation, data transfer between collectors and/or computer, feature coding, different programs to gather topo data and construction layout.

How can we exchange data quicker to the office? Options of sending and receiving coordinate files in the field.

During the class, data will be collected using a TDS Focus Robotic instrument and data will be processed by TDS Foresight DXM software. A brief introduction into the optional Level and optional GPS modules will be discussed.

1:15 p.m.

Seminar: UGS Topographic Mapping Yesterday, Today and Tomorrow

(4 PDH)

Speaker: Don Teter, PS and Paul Lliston

USGS topographic maps have long been a valuable tool for surveyors, but many of us have not understood their production process and reliability. The instructors will discuss the history of the mapping agencies, and the development of government topographic mapping, including: The Control Networks, 30 Minute Quadrangles, 15 Minute Quadrangles, 7 ½ minute Quadrangles, and The Availability of Historic Maps and Photos. Also discussed will be the USGS's "next generation" topographic maps, and the "Map-on-Demand" digital mapping program. The course will include some "hands-on" work with existing topos and the "next generation" maps.

Exhibit Hall Open

2:10-2:20 p.m.

Break-Professional Liability of the Land Surveyor

Visit Exhibit Hall

2:10-2:20 p.m.

Break-What Went Wrong

Visit Exhibit Hall

2:20-2:30 p.m.

Break-Erosion and Sediment Control for Land Surveyors

Visit Exhibit Hall

2:20-2:30 p.m.

Break-Everything You Wanted To Know About TDS Survey Pro

Visit Exhibit Hall

2:20-2:30 p.m.

Break-UGS Topographic Mapping Yesterday, Today and Tomorrow

Visit Exhibit Hall

3:30-3:40 p.m.

Break-Professional Liability of the Land Surveyor

Visit Exhibit Hall

3:30-3:40 p.m.

Break-What Went Wrong

Visit Exhibit Hall

3:40-3:50 p.m.

Break-Erosion and Sediment Control for Land Surveyors

Visit Exhibit Hall

3:40-3:50 p.m.

Break-Everything You Wanted To Know About TDS Survey Pro

Visit Exhibit Hall

3:40-3:50 p.m.

Break-UGS Topographic Mapping Yesterday, Today and Tomorrow

Visit Exhibit Hall

5:15 p.m.

End of Seminars

5:30 p.m.

Social Hour held in Exhibit Hall
WVALS Auxiliary Raffle

6:30 p.m.

Exhibit Hall Closed

6:30 p.m.

Annual Awards Banquet

Awards: WVSPS 10,15,20,25,30,35 and 40 Year Membership Recognition
Chapter of the Year
Board of Directors Recognition
Surveyor of the Year
Installation of Officers
Meritorious Awards
Recognition of New Licensees

9:00 p.m.

Hospitality Suite Open **Hosted By: Blue Mountain Mapping**

Saturday, February 28, 2009

- 7:00 a.m. **Prayer Breakfast** **Speaker: Charles Tenney, PS**
- 7:30 a.m. Registration Open
- 8:00 a.m. **Seminar: Situational Ethics for Surveyors** **(4 PDH)**
Speaker: David Ingram, PS
Topics of discussion will be several focus areas during the seminar that will involve many different aspects of the surveyor's practice. These areas of discussion will include professional practice; business practices; client relations; and personnel relations. All will be examined from different directions of imposition and degrees of importance.
- 8:00 a.m. **Seminar: Boundary Law Exam Review** **(4 PDH)**
Speaker: Rick Sypolt, PS
Topics that may be covered are Astronomy, Boundary Law which will include: West Virginia Code; Rules and Regulations; Sample Boundary Law Examinations; Surveys along Rights of Ways and Streams; and Miscellaneous Topics suggested by the participants.
- 8:00 a.m. **Seminar: Wooden Evidence** **(4 PDH)**
Speaker: Donald Wilson
A discussion of the *identification, interpretation, and use* of wooden evidence. Included are trees, wood posts, stakes, fences, and like items of property corner and boundary evidence.
- 8:00 a.m. **Seminar: Introductory Hydrology and Hydraulics for Land Surveyors** **(4 PDH)**
Speaker: Ron Fink, PS
This presentation will give those in attendance a real world introduction to the application of hydrologic methodologies and hydraulic designs for a variety of situations. The Hydrology portion will cover the hydrologic cycle, hydrographs for different runoff calculation methods, and how to use flow data once acquired. The hydraulics portion of the seminar will cover the design of pipes, culverts (with and without headwalls), ditch design, and elementary pond design including basic outlet structures including orifices and weirs. The course will also provide detailed example problems and solutions as well as computer software application examples.
- 8:00 a.m. **Seminar: Elements of the National Spatial Reference System** **(8 PDH)**
Speaker: Dave Doyle
This program discusses the foundational elements of the National Spatial Reference System (NSRS) published by the National Geodetic Survey. These include: Fundamental geodetic concepts of the United States official horizontal and vertical datums (NAD 83 and NAVD 88) and their relationship to global coordinate systems such as the World Geodetic System 1984 (WGS 84) and the International Terrestrial Reference Frame (ITRF). This will include a discussion of reference ellipsoids and geoid models, and the recently completed NAD 83 national GPS readjustment and the realization of these datums in the form of passive control such as Georgia High Accuracy Reference Networks (HARN) and active control as provided by the Continuously Operating Reference Stations (CORS) network. The program will include a description of the GPS processing utility OPUS (On-Line Processing User Service) and some recent enhancements such as OPUS Data Base (OPUS-DB).
- 9:30-9:40 a.m. **Break-Situational Ethics for Surveyors** Visit Exhibit Hall
- 9:30-9:40 a.m. **Break-Boundary Law Exam Review** Visit Exhibit Hall
- 9:40-9:50 a.m. **Break-Wooden Evidence** Visit Exhibit Hall
- 9:40-9:50 a.m. **Break-Introductory Hydrology and Hydraulics for Land Surveyors** Visit Exhibit Hall
- 9:40-9:50 a.m. **Break-Elements of the National Spatial Reference System** Visit Exhibit Hall
- 10:40-10:50 a.m. **Break-Situational Ethics for Surveyors** Visit Exhibit Hall
- 10:40-10:50 a.m. **Break-Boundary Law Exam Review** Visit Exhibit Hall
- 10:50-11:00 a.m. **Break-Wooden Evidence** Visit Exhibit Hall
- 10:50-11:00 a.m. **Break-Introductory Hydrology and Hydraulics for Land Surveyors** Visit Exhibit Hall
- 10:50-11:00 a.m. **Break-Elements of the National Spatial Reference System** Visit Exhibit Hall
- 12:00 p.m. End of Seminars
- 12:00 p.m. Luncheon **Speaker: NSPS Governor or Representative**
- 1:15 p.m. **Seminar: Minimum Standards for Surveyors** **(4 PDH)**
Speaker: Don Teter, PS
A review of laws and regulations pertaining to surveying in West Virginia, with particular emphasis on the minimum standards. The course is designed to exceed the continuing education requirement for all West Virginia licensees to obtain two PDH of minimum standards within each four year period, and has been updated to reflect the new minimum standards which went into effect May 1, 2008.
- 1:15 p.m. **Seminar: Basic Exam Review** **(4 PDH)**
Speaker: Rick Witte, PS
Topics will include materials and equipment best suited to preparing for and taking the first part of the NCEES examination for surveyors, and then an overview of declination and secular change, coordinate geometry, matrix algebra, statistics, partition of land, horizontal and vertical curve calculations, legal terms, and other areas covered by the examination. This will be a review of subjects, not an in-depth study.

- 1:15 p.m. **Seminar: Elements of the National Spatial Reference System (*continued*)** **(8 PDH)**
Speaker: Dave Doyle
This program discusses the foundational elements of the National Spatial Reference System (NSRS) published by the National Geodetic Survey. These include: Fundamental geodetic concepts of the United States official horizontal and vertical datums (NAD 83 and NAVD 88) and their relationship to global coordinate systems such as the World Geodetic System 1984 (WGS 84) and the International Terrestrial Reference Frame (ITRF). This will include a discussion of reference ellipsoids and geoid models, and the recently completed NAD 83 national GPS readjustment and the realization of these datums in the form of passive control such as Georgia High Accuracy Reference Networks (HARN) and active control as provided by the Continuously Operating Reference Stations (CORS) network. The program will include a description of the GPS processing utility OPUS (On-Line Processing User Service) and some recent enhancements such as OPUS Data Base (OPUS-DB).
- 2:10-2:20 p.m. **Break-Minimum Standards for Surveyors**
- 2:20-2:30 p.m. **Break-Basic Exam Review**
2:20-2:30 p.m. **Break-Elements of the National Spatial Reference System**
- 3:40-3:50 p.m. **Break-Minimum Standards for Surveyors**
- 3:50-4:00 p.m. **Break-Basic Exam Review**
- 3:50-4:00 p.m. **Break-Elements of the National Spatial Reference System**
- 5:00 p.m. End of Seminar

Thank you for attending the WVSPS 2009 Convention

WVSPS 41st Annual Convention
February 26-28, 2009
Waterfront Place Hotel, Morgantown, West Virginia
Registration Form

(Office Use Only)
Date _____
Check # _____
Amount _____
Authorization # _____

Name _____ Company Name _____

Badge Name _____ Spouse Badge Name _____
 (if attending)

Address _____

City _____ State _____ Zip _____

Phone _____ Email _____
 (Home) _____ (Office) _____

(Please include email address for confirmation letter & receipt)

Full Registration (Includes admission to all events, seminar handouts, breaks, all meals & exhibits)

Non-Members who send an application and payment for membership will receive Member fees.

Members of any other State surveying association can receive the member rate by **enclosing a copy** of their current membership card.

Fees before 2/09/09

_____ Member \$310.00
 _____ Non-Member \$440.00

Fees after 2/09/09

_____ Member \$350.00
 _____ Non-Member \$480.00

_____ Spouse Registration \$ 190.00

_____ Student Registration \$ 100.00

_____ Spouse Registration \$190.00

_____ Student Registration \$100.00

One Day Registration (Includes admission to seminars, handouts, meals, breaks & exhibits for the day)

Fees before 2/09/09

_____ Thursday Member \$180.00
 _____ Thursday Non-Member \$240.00

Fees after 2/09/09

_____ Thursday Member \$220.00
 _____ Thursday Non-Member \$280.00

_____ Friday Member \$ 210.00

_____ Friday Non-Member \$ 270.00

_____ Friday Member \$250.00

_____ Friday Non-Member \$310.00

_____ Saturday Member \$ 120.00

_____ Saturday Non-Member \$ 160.00

_____ Saturday Member \$160.00

_____ Saturday Non-Member \$200.00

Please indicate which seminars and meals you plan to attend (see tentative program for seminar descriptions).

All seminars have limited seating so please register early to receive the seminars that you want

Thursday Seminars

- Surveyors Role in a Legal System (afternoon)
- Erosion and Sediment Control for Surveyors (afternoon)
- WV Floodplain Management (afternoon)
- Abstract-Machine Control and its Impact on Civil Eng and Surveying
- Common Sense for Surveyors (afternoon) (afternoon)
- Minimum Standards and Ethics for Licensed Surveyors in WV (afternoon)

Saturday Seminars

- Elements of the National Spatial Reference System (all day)
- Wooden Evidence (morning)
- Introductory Hydrology and Hydraulics for Surveyors (morning)
- Situational Ethics for Surveyors (morning)
- Boundary Law Exam Review (morning)
- Minimum Standards for Surveyors (afternoon)
- Basic Exam Review (afternoon)

Friday Seminars

- Professional Liability of the Land Surveyor (all day)
- Evidence and Procedures (morning)
- Introductory Hydrology and Hydraulics for Surveyors (morning)
- Underground Mining (morning)
- WV Floodplain Management (morning)
- What Went Wrong? (afternoon)
- Erosion and Sediment Control for Surveyors (afternoon)
- Everything You Wanted To Know About TDS Survey Pro (after.)
- UGS Topographic Mapping Yesterday, Today and Tomorrow (after.)

Meals

- | | |
|---|--|
| <input type="checkbox"/> Thursday Lunch | <input type="checkbox"/> Thursday Dinner |
| <input type="checkbox"/> Friday Lunch | <input type="checkbox"/> Friday Banquet |
| <input type="checkbox"/> Saturday Breakfast | <input type="checkbox"/> Saturday Lunch |

Reservations can be made by calling The Waterfront Place Hotel at 304-296-1700. Please state that you are with the WVSPS convention to get the special room rate of \$89.00. Reservations must be made by January 27, 2009 in order to receive the special room rate any reservations made after that date could be higher.

Refunds for the full convention fee will be made for cancellations made in writing before February 1, 2009.

Make Checks Payable to WVSPS Convention

Visa or MasterCard Accepted online. Log onto www.wvsps.org for registration.

Return to: WV Society of Prof. Surveyors

HC 82 Box 40B

Lewisburg, WV 24901

(p) 304-645-1052 (f) 304-645-1053

Get Your Maps Ready For The WVSPS 41st Annual Convention Map Contest

2009 Best Map Rules

Deadline-January 09, 2009

1. **Only members of WVSPS may submit maps.** If you aren't a member of WVSPS you can submit your membership application along with the map entry form.
2. The land must be within **West Virginia**.
3. Maps must have been produced between last year's convention and this year's convention March 20-22, 2008. Dates must be shown on each map. Deep mine maps must have had surveying performed within the same period to qualify.
4. The name of the **surveyor/company must be concealed on the face of each map**. Please check all notes on the map for compliance. **DO NOT** put your name on the back of the map. The office will be putting labels on the maps after they have been judged.
5. Each entrant will be limited to one map in each of the following categories: City Lot; Well Location; Rural Boundary; Deep Mine; Surface Mine; Topography; ALTA/ACSM (You may call the office for guidelines for ALTA); Subdivision (5 or more lots), and Miscellaneous.
6. The same map may not be used in more than one category.
7. **Maps must be clearly marked to indicate in which category the entry is to be judged.** If, in the opinion of the judges, the map has been submitted in an incorrect category, the map will be disqualified.
8. All entries may be blue line, black line, or colored un-mounted prints and can have a maximum size of 24 by 36 inches. Only Deep Mine maps may be larger if needed to include all required information.
9. Entries will be judged with Map Judging Forms, taking into account completeness, legibility, and presentation.
10. Awards will be presented for first, second, and third place winners in each category.
11. There will be a \$10.00 entry fee for each map entered. Make checks payable to WVSPS Convention and memo check "Map Contest". **Mail 2 copies** (one copy with your name concealed for judging, and one copy with name visible for display at the convention) for your entry to WVSPS, HC 82 Box 40B, Lewisburg, West Virginia 24901 no later than January 09, 2008. **Entries must be folded to fit in a 9" x 12" envelope.**
12. Old and interesting maps may be displayed at the convention. There will be no entry fee or awards for this category. Please indicate who is providing the map.
13. All entries (except old and interesting maps) become the property of WVSPS upon completion of the contest.

WVSPS 41st Annual Convention
February 26-28, 2009
Waterfront Place Hotel, Morgantown, WV
Map Contest Entry Form
Plat Contest Deadline is January 09, 2009

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Phone _____

\$10.00 Entry fee per category

Check map category

City Lot

Well Location

Rural Boundary

Deep Mine

Surface Mine

Topography

ALTA/ACSM

Subdivision

Miscellaneous

Each First place winner shall receive a plaque, ribbon, and the map sent to the NSPS National Conference; Second and Third place shall receive a ribbon.

Entries must be folded to fit in a 9" x 12" envelope.

Make Checks Payable to WVSPS Convention

Visa or MasterCard Accepted

Credit Card Number _____ CCV# _____

Expiration Date ____/____/____ Amount \$ _____

Signature _____

(Office Use Only)

Date _____

Check _____

Amount _____

Authorization # _____

Mail entries to

West Virginia Society of Professional Surveyors

HC 82 Box 40B, Lewisburg, West Virginia 24901

Phone: 304-645-1052 Fax: 304-645-1053 Email: wvsp@ suddenlink.net

Web: www.wvsp.org