



# PROGRAM BOOK

2020 WVSPS Annual Convention  
Days Inn Hotel & Convention Center  
February 13 - 15, 2020  
Flatwoods, WV  
[www.wvspconvention.org](http://www.wvspconvention.org)

52<sup>nd</sup> ANNUAL CONVENTION

SINCE

1968



# WVSPS

WEST VIRGINIA SOCIETY OF  
PROFESSIONAL SURVEYORS



# Surveyor's Creed

Members of the West Virginia Society  
of Professional Surveyors  
shall abide by the "Surveyor's Creed and Canons"  
of the National Society of  
Professional Surveyors as follows:

As a Professional Surveyor,  
I dedicate my professional knowledge  
and skills to the advancement and  
betterment of human welfare.

I pledge:

To give the utmost of performance;

To participate in none but honest enterprise;

To live and work according to the laws of humankind and the highest standards of  
professional conduct;

To place service before profit, honor and standing of the profession before personal  
advantage, and the public welfare above all other considerations;

in humility and with need for Divine Guidance,  
I make this pledge.



# Past Presidents

<u>Name</u>	<u>Year Served</u>	<u>Name</u>	<u>Year Served</u>
F. Henry Sipe	1968-69	Lantz Rankin	2003-04
Wallace Robertson	1969-70	David Jackson	2004-05
Jesse Canfield	1970-71	John L. Green	2005-06
Arden Marshall	1971-73	Jeffrey Stephens	2006-07
Francis Silver	1973-75	S. Pat Roberts	2007-08
L.G. Sturgill	1975-77	James Witte	2008-09
E. Franklin Hart	1977-79	Richard Henline	2009-10
Charles Eller	1979-80	Allan Witschi	2010-11
Darrell Dean	1980-81	Jack Booda	2011-12
Daniel Wheeler	1981-82	Rodney Gardner	2012-13
Ronald Eastham	1982-83	Jared Wilson	2013-14
Ronnel Westfall	1983-84	John L. Green	2014-15
Curtis Keplinger	1984-86	E. Sean Fridley	2015-16
Tom Henderson	1986-87	Mack McCarty	2016-17
E.J. McHenry	1987-88	Victor Dawson	2017-18
Charles Carlisle	1988-89	Lee Snyder	2018-19
F. Henry Sipe	1989-90		
Gregory Smith	1990-91		
Charles Sypolt	1991-92		
Mark Hornish	1992-93		
Marshall Robinson	1993-94		
Randall Myers	1994-95		
R. Michael Shepp	1995-96		
Charles Sypolt	1996-97		
Richard Casteel	1997-98		
Nelson Douglass	1998-99		
Leon Mallow	1999-00		
Kirk Norton	2000-01		
Donald Teter	2001-02		
C. Victor Moyers	2002-03		



# Thursday, February 13, 2020

Time	Activity	Location
7:00am - 6:30pm	Registration Open	Lobby
8:00am - 10:00am	The Mason Dixon Line Through the Journal and Google Earth	B
	Introduction to Private Easements and Practical Location	C
	Intent as Related to Surveying, Not in Tent as Related to Camping	123
	Colonials in Ohio	125
10:00am - 10:15am	Coffee break with Exhibitors	Lobby
10:15am - 12:00pm	General Membership Meeting	D
12:00pm - 1:15pm	Lunch	A
1:15pm - 5:15pm	Minimum Standards & Ethics	D+E
	Understanding Clean Water Act, Endangered Species Act, National Historic Preservation Act and the links to Land Surveying for Project Development	123
	NGS Overview and Discussion of NATRF2022, NAPGD2022, and SPCS2022	C
	The Rise and Fall of the County Surveyor	B
2:30pm - 2:40pm	Coffee break with Exhibitors	Lobby
3:50pm - 4:00pm	Coffee break with Exhibitors	Lobby
5:30pm - 6:30pm	Young Surveyors Meeting	Beckley
5:30pm - 6:30pm	Social Hour	Lobby
6:30pm - 7:30pm	Exhibitors Dinner w/Sacagawea	A
8:00pm - 8:45pm	Surveyors Historical Society Meeting	114-118
8:45pm - 9:30pm	County Surveyors Meeting	Beckley
8:00pm - 11:00pm	Hospitality Suite	Bridgeport



## Friday, February 14, 2020

Time	Activity	Location
7:00am - 5:00pm	Registration Open	Lobby
8:00am - 12:00pm	Topo Survey	B
	CADamation	C
	Practical Least Squares	114-118
	Wood & Tree ID/Line Marking Part 1	123+125
	A Deeper Dive into NGS: Geoids, OPUS, OPUS Projects, NCAT, VDatum, and more	D
9:15am - 9:25am	Coffee break with Exhibitors	Lobby
10:35am - 10:45am	Coffee break with Exhibitors	Lobby
12:00pm - 1:15pm	Exhibitor Feedback Meeting	Beckley
12:00pm - 1:15pm	Lunch	A
1:15pm - 5:15pm	Mentoring	B
	Through the Ages	114-118
	Wood & Tree ID/Line Marking Part 2	123+125
	Fundamental Field Procedures	D
	Computations Using the NAD83 State Plane Coordinate System	C
2:30pm - 2:40pm	Coffee break with Exhibitors	Lobby
3:50pm - 4:00pm	Coffee break with Exhibitors	Lobby
5:30pm - 6:30pm	Social Hour	Lobby
6:30pm - 8:00pm	Awards Banquet	A
8:00pm - 11:00pm	Hospitality Suite Open	Bridgeport



# Saturday, February 15, 2020

Time	Activity	Location
7:00am - 8:00am	Prayer Breakfast	A
7:00am - 3:15pm	Registration Open	Lobby
8:00am - 12:00pm	Standards & Ethics	D+E
	History of the Geodetic Datums in United States	C
	FAA 107 Exam Prep Pt 1	123
	NGS Overview and Discussion of NATRF2022, NAPGD2022, and SPCS2022	114-118
	Basic Exam Review	Beckley
9:15am - 9:25am	Coffee break with Exhibitors	Lobby
10:35am - 10:45am	Coffee break with Exhibitors	Lobby
12:00pm - 1:15pm	Lunch	A
1:15pm - 5:15pm	Boundary Law Review	123
	Road & Stream Boundaries	B
	FAA 107 Exam Prep Pt 2	Beckley
	New Horizontal and Vertical Datums for the United States	C
2:30pm - 2:40pm	Break	Lobby
3:50pm - 4:00pm	Break	Lobby



# Chapter Listing

The WVSPS has eight active chapters which meet monthly all over the state of West Virginia. Below you can find their meeting schedule and representatives. Meetings are open to everyone.

## **Clarksburg Chapter**

Chapter Representative: Gary Timms  
Chapter President: Steve Losh  
Meetings: 2nd Monday of each month  
(September – May) at 6:30pm  
Location: Panera Bread, Bridgeport, WV

## **Eastern Panhandle Chapter**

Chapter Representative: Bill Orsinger  
Chapter President: Merle Saville  
Meetings: 3rd Wednesday of each month  
at 6:00pm  
Location: The Purple Iris, Martinsburg, WV

## **Elkins Chapter**

Chapter Representative: Don Teter  
Chapter President: Leon Mallow  
Meetings: 4th Wednesday of the month  
(August is a picnic) at 7:30pm DST  
Location: Hardee's, Elkins, WV

## **Little Kanawha Chapter**

Chapter Representative: Darren Griffith  
Chapter President: Ed Huffman  
Chapter Secretary: Tom Henderson  
Meetings: 2nd Thursday of each month at  
6:30pm  
Location: Jimmie Columbo's Restaurant,  
Parkersburg, WV

## **Greater Kanawha Valley Chapter**

Chapter Representative: Robert Fuller  
Chapter President: Gary Facemyer  
Chapter President-Elect: John Green  
Chapter Secretary/Treasurer: Kevin  
Schafer  
Meetings: 1st Tuesday of each month at  
6:00pm  
Location: Hardings Restaurant off the Mink  
Shoals Exit, Charleston, WV

## **Mountain Regional Chapter**

Chapter Representative: Allan Witschi  
Chapter President: Bradley Casdorph  
Chapter Vice President: Randall Myers  
Chapter Secretary/Treasurer: Allan Witschi  
Meetings: 1st Tuesday of each month at  
6:00pm  
Location: Apple Annie's

## **Southern Chapter**

Chapter Representative: Cody Donnally  
Chapter President: Tim Kosut  
Meetings: 1st Wednesday of each month  
(September – May) T 6:30pm  
Location: Southern Engineering

## **Young Surveyors Chapter**

Chapter Representative: David Chestnut  
Chapter President: Stephen Caldwell  
Meetings: TBA  
Location: This is a virtual chapter without a  
physical location



# Board of Directors 2019-2020

**President**  
Robert Andriotto

**Clarksburg Chapter Representative**  
Gary Timms

**President-Elect**  
Bill Orsinger

**Eastern Panhandle Chapter Representative**  
Bill Orsinger

**Vice President**  
Jack Booda

**Elkins Chapter Representative**  
Don Teter

**Past President**  
Lee Snyder

**Little Kanawha Chapter Representative**  
Darren Griffith

**Director**  
Stephen Caldwell

**Greater Kanawha Valley Chapter Representative**  
Robert Fuller

**Director**  
Victor Dawson

**Mountain Regional Chapter Representative**  
Allan Witschi

**Director**  
John Green

**Southern Chapter Representative**  
Cody Donnally

**Director**  
Roy Haught

**Young Surveyors Chapter Representative**  
David Chestnut

**Director**  
Leon Mallow

**Director**  
Mack McCarty





## Surveyor of the Year

<b>Name</b>	<b>Year Served</b>	<b>Name</b>	<b>Year Served</b>
Floyd Stiles	1975	Leon Spencer	1997
Arden Marshall	1975	Henry Parsons	1998
F. Henry Sipe	1975	David Sypolt	1999
Francis Silver	1976	Richard Casteel	2000
L.G. Sturgill	1977	Donald Teter	2001
Galtjo Geertsema	1978	John L. Green	2002
E. Franklin Hart	1979	C. Victor Moyers	2003
Shirley Sturgill	1980	Mark Echard	2004
Darrell Dean, Jr.	1981	Allan Witschi	2005
Darrell Radcliff	1982	Karen Brill	2006
Floyd Stiles	1983	Lantz Rankin	2007
Curtis Keplinger	1984	Nelson Douglass	2008
John Campbell	1985	Ronald Eastham	2009
Tom Henderson	1986	Bryant Bowman	2010
Charles Sypolt	1987	J. Bruce Hager	2010
Gregory Smith	1988	Allan Witschi	2011
Charlotte Long	1989	Mike Shepp	2012
Leon Mallow	1990	Sefton Ray Stewart	2013
Marshall Robinson	1991	John Porter	2014
Jesse Canfield	1992	Dan Wheeler	2015
Charles Eller	1993	Jared Wilson	2016
Charles Tenney	1994	Jack Booda	2017
Randall Myers	1995	Rick Casteel	2018
R. Michael Shepp	1996	Robert Andriotto	2019



# Code of Ethics

I. Land Surveyors shall hold paramount the safety, health, and welfare of the public in the performance of their professional duties.

a. Land surveyors shall recognize that the safety, health, and welfare of the general public are dependent upon surveying judgments, decisions, and practices incorporated into the field of land surveying.

b. Land Surveyors shall not approve or seal plats that are not in conformity with accepted surveying standards.

c. Should the Surveyor's professional judgment be overruled under the circumstances where the safety, health, and welfare of the public are endangered, the Surveyors shall inform their clients or employers of the possible consequences and notify other proper authority of the situation, as may be appropriate.

d. Should Surveyors have knowledge or reason or believe that another person or firm may be in violation of any of the provisions of these guidelines, they shall present such information to the proper authority in writing these guidelines and they shall cooperate with the proper authority in furnishing such further information or assistance, as may be required.

e. Surveyors should seek opportunities to be of constructive service in civic affairs and work for the advancement of the safety, health and well being of their communities.

f. Surveyors should be committed to improving the environment to enhance the quality of life.

II. Land Surveyors shall perform services to improving only in the areas of their competence.

a. Surveyors shall undertake to perform engineering assignments only when qualified by education or experience in the technical field of surveying involved.

b. Surveyors may accept an assignment requiring education or experience outside of their own fields of competence, provided their services are restricted to those phases of the project in which they are qualified. All other phases of such project shall be performed by qualified associated consultants or employees.

c. Surveyors shall not affix their signatures and/or seals to any surveying plat or document dealing with subject matter in which they lack competence by virtue of education or experience, not to say such plat or document not prepared under their supervisory control.



# Code of Ethics

III. Land Surveyors shall issue statements only in an objective and truthful manner.

a. Surveyors should endeavor to extend the public knowledge of surveying, and shall not participate in the dissemination or untrue, unfair or exaggerated statements regarding surveying.

b. Surveyors shall be completely objective and truthful in all professional reports, statements, or testimony. They shall include all relevant and pertinent information in such reports, statements or testimony.

c. Surveyors, when serving as expert or technical witness before any court, commission, or other tribunal, shall express a surveying opinion only when it is founded upon adequate knowledge of the fact in issue, upon a background of technical competence in the subject matter, and upon honest conviction of the accuracy and propriety of their testimony.

d. Surveyors shall issue no statements, criticisms, or arguments on surveying matters which are inspired or paid for by an interested party, or parties, unless they have prefaced their comments by explicitly identifying themselves, by disclosing the identities of the party or parties on whose behalf they are speaking, and by revealing the existence of any pecuniary interest they may have in the instant matters.

e. Surveyors shall be dignified and modest in explaining their work and merit, and will avoid any act tending to promote their own interests at the expense of the integrity, honor and dignity of the profession.

IV. Land Surveyors shall act in professional matters for each employer or client as faithful agents or trustees, and shall avoid conflicts of interest.

a. Surveyors shall avoid all known conflicts of interest with their employers or clients and shall promptly inform their employers or clients of any business association, interests, or circumstances, which could influence their judgment of the quality of their services.

b. Surveyors shall not knowingly undertake any assignments, which would create a potential conflict of interest between themselves and their clients or their employers.

c. Surveyors shall not accept compensation financial or otherwise, from more than one party for the services on the same project, unless the circumstances are fully disclosed to, and agreed to, by all interested parties.



# Code of Ethics

d. When in public service as members, advisors, or employees of a government body or department, surveyors shall not participate in considerations or actions with respect to services solicited or provided by them or their organization in private or public surveying practice.

e. When, as a result of their studies, surveyors believe a project will not be successful, they shall advise their employer or client.

f. Surveyors shall treat information coming to them in the course of their assignments as confidential, and shall not use such information as a means of making personal profits if such action is adverse to the interests of their clients, employers or the public.

g. Surveyors shall admit and accept their own errors when proved wrong and refrain from distorting or altering the facts to justify their decisions.

h. Surveyors shall not accept professional employment outside of their regular work or interest without the knowledge of their employers.

i. Surveyors shall not attempt to attract an employee from another employer by false or misleading representation.

V. Land Surveyors shall build professional reputation on the merit of their service and shall not compete unfairly with others.

a. Surveyors shall not give, solicit nor receive either directly or indirectly, commission, political contribution, or a gift or other consideration in order to secure work, exclusive of securing salaried positions through employment agencies

b. Surveyors should negotiate contracts for services fairly and only on the list of demonstrated competence and qualifications for the type of service required

c. Surveyors should negotiate a method and rate of compensation, commensurate with the agreed upon scope of service. A meeting of the mind of the parties to the contract is essential to mutual confidence. The public interest requires that the cost of surveying services be fair and reasonable, but not the controlling consideration in selection of individuals or firms to provide these services.

d. Surveyors shall not falsify or permit misrepresentation of their or their associates, academic or professional qualifications. They shall not misrepresent or exaggerate their degree or responsibility in or/for the subject matter or prior assignments.

e. Surveyors may prepare articles for the lay or technical press, which are factual, dignifies and free from ostentatious or laudatory implications. Such articles shall not



# Code of Ethics

imply other than their direct participation in the work described unless credit is given to others for their share of the work.

f. Surveyors shall not maliciously or falsely, directly or indirectly, injure the reputations, prospects, practice or employment of another surveyor nor shall they indiscriminately criticize another's work.

g. Surveyors shall not use equipments, supplies, laboratory not office facilities of their employers to carry on outside private practice without consent and appropriate compensation.

h. Surveyors may advertise for recruitment of personnel in appropriate publications or by special distribution. The information presented much be displayed in a dignified manner, restricted to firm name, address, phone number, appropriate symbol, names of principle participants, the field of practice in which the firm is qualified and factual descriptions of positions available, qualifications required and benefits available.

VI. Land Surveyors shall associate only with reputable persons or organizations. In business matters, Surveyors shall not knowingly associate with or permit the use of their names or firms names in ventures by any person or firm which they know, or have reason to believe, in engaging in business or professional practices of a fraudulent, dishonest or unethical nature.

a. Surveyors should keep current in their specialty fields by engaging in professional practice, participating in continuing education courses, reading the technical literature, and attending professional meetings and seminars.

b. Surveyors should encourage their surveying employees to further their education and become registered at the earliest possible date.

c. Surveyors should encourage surveying employees to attend and present papers at professional and technical society meetings.

d. Surveyors shall give proper credit for surveying work to those to whom the credit is due, and recognize the proprietary interest of others, whenever possible, they shall name the person or persons who may be responsible for the accomplishments.

e. Surveyors should support the professional and technical societies of their disciplines.

f. Surveyors shall provide prospective surveying employees with information on working conditions and their proposed status of employment, and after employment shall keep them informed of any change.



# Exhibitors

## Thank You to All Our Exhibitors!

AllStar Ecology  
Greg Short  
greg@allstarecology.com  
allstarecology.com

Floodproofing.com  
Kurt Luecke  
shows@smartvent.com  
smartvent.com

Precision Laser & Instrument Co  
Jason Cobb  
pli@laserinst.com  
laserinst.com

C&B Blueprint  
Ron Copley  
ronnie@cbbblueprint.com  
cbbblueprint.com

Glenville State College  
Doyle Hupp  
Doyle.Hupp@glenville.edu  
glenville.edu

RedTail LiDAR Systems Anna  
Rittenhouse  
arittenhouse@  
4dtechsolutions.com

Caron East  
Christopher Robson  
chris@caroneast.com  
caroneast.com

GPI Geospatial Inc  
Rob Kundrick  
dglass@gpinet.com  
gpinet.com

Surveyors Historical Society  
Rick Casteel  
ps864@aim.com  
surveyorshistoricalsociety.com

Charleston Blueprint  
Bill Evans  
billevanscb@gmail.com  
charlestonblueprint.com

JulNet Solutions  
Julie Hewett  
jkhewett@julnet.com  
julnet.com

The Underground Detective  
Jacob Staubach  
jakes@ugdet.com  
ugdet.com

Civil & Environmental  
Consultants, Inc (CEC) Liz Smith  
lsmith@cecinc.com  
cecinc.com

Kucera International, Inc.  
Bradley Piper  
b.piper@kucerainternational.com

Transit and Level Clinic  
Tim Johnson  
tim@transitandlevel.com  
transitandlevel.com

CT Consultants  
Al Hustosky  
ahustosky@aerocon.com  
aerocon.com

Leica Geosystems  
Greg Perkins  
greg.perkins@leicaus.com  
leicaus.com

Walls and Associates, PLLC  
Brent Walls  
brent.walls@walls-cpa.com  
walls-cpa.com

East Tennessee State University  
Jared Wilson  
jareddalewilson@gmail.com  
etsu.edu

NSPS  
Curt Sumner  
curtis.sumner@nsps.us.com  
nsps.us.com

WVAGP  
Kevin Kuhn  
kkuhn@wvu.edu  
wvgs.wvnet.edu



## In Memoriam

In 2019, our surveying community lost four superb quality individuals. Lee Snyder, Jeff Stephens, Kenny Bias, and Chas Langdon. I was indeed blessed to have known them through my involvement in the society, the conventions and the Mason Dixon Events. As I write this with a heavy heart, I know the character of all four would want us to continue and advance their visions of our profession.

Robert A. Andriotto  
WVSPS President  
2019 - 2020