

The Tennessee Association of Professional Surveyors

51st Annual Conference & Exhibition

March 7-9, 2019



EMBASSY SUITES
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Tennessee Association of Professional Surveyors is a PDH provider that returns your continuing education dollars back to the surveying profession.

TAPS 51st Anniversary Conference and Exhibition

March 7-9, 2019

EMBASSY SUITES CONFERENCE CENTER • 1200 CONFERENCE CENTER BLVD. • MURFREESBORO, TN 37129 • 615-890-4464

PRINTED MATERIALS WILL NOT BE DISTRIBUTED AT THE CONFERENCE.

THURSDAY, MARCH 7, 2019 (5 PDH)

8:00 - 10:30 am	TAPS Board of Directors Meeting*	<i>Broadlands</i>
10:30 am - 1:00 pm	Pre-Registration Desk Registration	<i>Outside Mirabella F Registration Booth</i>
10:45 am - 12:00 pm	TAPS General Membership Meeting	<i>Broadlands</i>
11:30 am - 1:00 pm	Exhibits Open	<i>Mirabella F-J</i>
12:00 - 1:00 pm	Lunch on your own	
1:00 - 3:40 pm	Tennessee Standards of Practice and Tennessee Board of Examiners for Land Surveyors Q&A (3 PDH) CER #1921-18	<i>Oakleigh A & B</i>
2:15 - 2:25 pm	Break	<i>Mirabella F-J</i>
3:30 - 5:30 pm	Exhibits Open/Reception Reception sponsored by Risk Strategies	<i>Mirabella F-J</i>
7:00 - 8:40 pm	Applied Ethics (2 PDH) CER #1916-18 <i>Speaker: Wendy Lathrop</i>	<i>Oakleigh A & B</i>
7:00 - 8:40 pm	Lidar Mapping Technology (2 PDH) CER #1910-18 <i>Speaker: Bobby Tuck</i>	<i>Broadlands A</i>
7:00 - 8:40 pm	Best Practices in Drone Surveying: From Drone to Linework (2 PDH) CER #1920-18 <i>Speaker: Daniel Katz</i>	<i>Broadlands B</i>

FRIDAY, MARCH 8, 2019 (8 PDH)

7:00 am	Registration	<i>Registration Booth</i>
7:30 am - 2:00 pm	Exhibits Open	<i>Mirabella F-J</i>
8:00 - 11:40 am	Ownership Over Possession (4 PDH) CER #1918-18 <i>Speaker: Wendy Lathrop</i>	<i>Mirabella E</i>

*Deaton's Geo-Tronics will sponsor the Board of Directors Lunch on Thursday, March 7

8:00 - 9:40 am	UAVs: Right Equipment for the Right Job (2 PDH) CER #1911-18 <i>Speaker: Chuck Snow</i>	Oakleigh A
9:40 - 10:00 am	Break	Mirabella F-J
10:00 - 11:40 am	CAD: Managing Multiple Point Data Files and Other Tips for Surveyors (2 PDH) CER #1913-18 <i>Speaker: Jennifer DiBona</i>	Oakleigh B
10:00 - 11:40 am	Getting Paid: Contracts, Lein Rights and Collecting Fees (2 PDH) CER #1914-18 <i>Speaker: Julie Byrd</i>	Oakleigh A
11:40 am - 1:00 pm	Lunch/Exhibits	Mirabella F-J
1:00 - 2:00 pm	Final Viewing of Exhibits	Mirabella F-J
2:00 - 5:30 pm	Disputes Between Adjoining Land Owners (4 PDH) CER #1915-18 <i>Speaker: Wendy Lathrop</i>	Mirabella E
2:00 - 5:30 pm	2022 Datum Adjustment (4 PDH) CER #1912-18 <i>Speaker: David Doyle</i>	Oakleigh A & B
3:40 - 3:50 pm	Break	Outside Oakleigh
SATURDAY, MARCH 9, 2019 (4 PDH)		
7:00 - 8:00 am	Past President's Breakfast	Private Dining Room Hotel Restaurant
7:30 am	Registration	Registration Booth
8:00 - 11:30 am	Highways, Byways and Private Roads (4 PDH) CER #1917-18 <i>Speaker: Wendy Lathrop</i>	Mirabella A-D
8:00 - 11:30 am	2022 Datum Adjustment (repeat of Friday seminar) (4 PDH) CER #1912-18 <i>Speaker: David Doyle</i>	Oakleigh A & B
9:40 - 9:50 am	Break	Mirabella A

SPEAKER & SEMINAR INFORMATION

WENDY LATHROP, P.S.

Wendy Lathrop, P.S., president and owner of Cadastral Consulting, is licensed as a Professional Land Surveyor in New Jersey, Pennsylvania, Delaware, and Maryland, and as a Professional Planner in New Jersey. She has been involved in surveying since 1974 in projects ranging from construction to boundary to environmental land use disputes..

Topics **Applied Ethics**

An understanding of “ethics” and “guidelines” and “standards of care” steers us when we confront difficult decisions both in our private lives and our business lives. This program includes several real life examples where choices were not easy and others in which they should have been – but weren’t. Then we delve more deeply into relationships with clients, with employees, and with our professional colleagues in this business-oriented program. Real life situations and case studies spur discussion and define distinctions between “ethical conduct,” “misconduct,” and “unlawful activity.”

Ownership Over Possession

Ownership of land consists of a bundle of rights that include use and possession. However, mere use or possession of land under certain circumstances may ripen into rights that can cast doubt on the true ownership. When do claims for the right to use or possess land create a claim of title, and when do they only create a right to continued use? We will investigate the various legal claims to land, the evidence supporting these claims, and the surveyor’s responsibility to report field or record evidence of such claims.

Disputes Between Adjoining Land Owners

This course looks at the ins and outs of boundary disputes between adjoiningers and the role the professional surveyor should play in those disputes. Surveyors often find there is more than one opinion as to the location of boundary lines between adjoiningers. Disagreements and their legally prescribed resolutions are discussed, including adverse possession, quiet title actions, estoppel, boundary line commissions, and agreements.

Highways and Byways and Private Roads

The objective of the program is to include participants in debate about practical application of the legal aspects of land acquisition, road location and width, and use of roads, whether those roads are public or private. Location or relocation, free or restricted access, centerline or sideline – all these aspects of roads affect the work of both boundary and construction surveyors. After a brief history of roads and road building in the U.S., we will investigate the creation of public and private terrestrial passage, the entities that control them, the rights of abutting owners, and the extinguishing of those same corridors for transportation.

BOBBY TUCK, P.E., P.S.

Topic **Lidar Mapping**

Bobby Tuck is the president and owner of Tuck Mapping Solutions, Inc, founded in 1985. Mr. Tuck was among the first surveyors/engineers in the United States to use Lidar Mapping and began developing mapping systems from that technology.

DANIEL KATZ

Daniel Katz is co-founder of Aerotas, where he has helped hundreds of surveyors nationwide start surveying by drone with industry-leading accuracy. Daniel regularly speaks at survey conference across the country, and is a regular contributor to Point of Beginning and state survey association magazines.

Topic

Best Practices in Drone Surveying: From Drone to Linework

Getting pretty pictures by drone is easy, but getting consistent and high-accuracy survey data takes know-how. Aerotas has learned the hard way what it takes to get survey-grade accuracy by drone, from training hundreds of surveyors drone surveying and processed thousands of drone surveys. This seminar reveals the best practices Aerotas has learned for collecting survey-grade data by drone. Attendees will walk away with concrete lessons on how to determine the right drone for their business, how to choose the right projects to use a drone on – including regulatory and business considerations – and how to set up and complete a drone survey project, including mission planning, aerial targets, and flight parameters. The talk will include real-life case studies to make the lessons concrete, including the most common mistakes surveyors make when using drones. This seminar will be most valuable for field surveyors, crew chiefs, survey business decision makers, and those responsible for making equipment and procedures decisions for their organizations.

CHUCK SNOW

Commercial Pilot and Licensed UAV Pilot

Topic

UAV's: The Right Equipment for the Right Job

For the past four years Chuck has been the lead UAV sales and support person for Earl Dudley, Inc. Prior to his days at EDI, Chuck owned an aerial mapping company for over 15 years where he gained experience and expertise in the aerial mapping market. Chuck has over 500+ UAV flights to his record and has personally trained over 400 clients in the safe and efficient use of UAV systems with emphasis on sensors, flight training, and image/data processing. Chuck has had a pilot license since 1987.

JENNIFER DI BONA

Topic

CAD Tips – Managing Multiple Data Files

Jennifer Di Bona is known as “That CAD Girl” and has extensive experience teaching experience in surveying and AutoCAD applications, including the popular Carlson Survey Software.

JULIE BYRD ASHWORTH

Attorney at Law

Topic

Getting Paid: Contracts, Lien Rights and Collecting Fees

This seminar is relevant to the surveying industry because, in order to properly perform duties, every surveyor needs to have a written understanding with the client of the scope of work, cost of services, and any add-ons that may apply. For those surveyors who don’t get paid, a proper understanding of the lien rights afforded to them under Tennessee law is essential in order to safely navigate preparing, filing and enforcing the lien. And because collecting fees is a process that has both federal and state statutory requirements, every surveyor

SPEAKER & SEMINAR INFORMATION

with accounts receivable needs to understand the ins and outs of proper collection procedures. All who take this seminar will leave with sample forms ready to use: contracts, liens, and collection letters.

- Counsel with clients on legal issues, prepare and file pleadings in federal and state courts in Mississippi and Tennessee.
- Create case narrative, determine goals and implement plan to achieve results.
- Follow cases through administrative process, litigation, discovery and mediation, trial and appellate review.
- Caseload includes 200 new case files annually involving family and bankruptcy law and estate planning/probate. Settlement rate of caseload is 90%.
- Research, investigate, and analyze legal positions.
- Draft pleadings, appear on behalf of clients in open court, communicate with clients, attorneys, and other individuals through all media available.
- Establish and maintain rapport with clients, attorneys, legal support staff and others as authorized by client.
- File documents and manage professional relationships in four county geographic area with over twelve different governmental entities (Circuit, Chancery, Juvenile, General Sessions Court Clerks, elected officials, state and federal judiciary, and federal officials).
- Manage two office locations (Memphis and Tipton County, Tennessee).
- Perform escrow account reconciliation, settlement accounting tasks. Market skills and solicit new clients.

DAVID DOYLE

Topic

2022 Datum Adjustment

During the next several years enhancements and additions to the network of Global Navigation Satellite Systems (GNSS) including the U.S. NAVSTAR Global Positioning System, Russian GLONASS, European Union GALILEO and China's BeiDou will significantly improve the use of space-based positioning systems for surveying, mapping, charting, navigation and innumerable other applications. In order to meet the anticipated demands for an improved geospatial framework that these developments will require, the National Geodetic Survey (NGS) is implementing a plan for the modernization of the National Spatial Reference System (NSRS). Among the various topics outlined in this plan is the adoption of an entirely new geodetic reference frame with updated geometric (horizontal) and gravimetric (vertical) realizations that will replace the North American Datum of 1983 (NAD 83), the North American Vertical Datum of 1988 (NAVD 88) and the several

island vertical datums. The new framework will be designed such that the geometric component (latitude, longitude, ellipsoid height) will be virtually identical to and aligned with the International Terrestrial Reference Frame (ITRF), while orthometric heights will be based exclusively on a nation-wide high accuracy (1-2 cm) gravimetric geoid model. This presentation highlights the rationale for these changes; the various elements that currently define the NSRS and the activities NGS is engaged in to improve the capacity of and access to the NSRS. Bio: Dave Doyle joined the National Geodetic Survey in 1972, and held the position of chief geodetic surveyor at his retirement in January, 2013. He was responsible for the development, technical design and management of plans and programs that enhance the United States National Spatial Reference System. Mr. Doyle is a past president of the American Association for Geodetic Surveying, a Fellow member of the American Congress on Surveying and has served on the U.S. delegation to the International Federation of Surveyors.

Contribute

GEORGE CROUCH/HARRY FULTON/ TAPS SCHOLARSHIP FUND

Make check payable to the Crouch/Fulton/
TAPS Surveying Scholarship Fund.

Note which account you want to contribute to:
Endowment or Operating.

Mail to ETSU, POB 70721, Johnson City, TN 37614

TAPS LAND SURVEYORS POLITICAL ACTION COMMITTEE

Make check payable to the Land Surveyors PAC
\$100 PAC Member

\$ _____ Other

Mail to TAPS

607 W. Due West Ave. Suite 96, Madison, TN 37115

TENNESSEE SURVEYING EDUCATION FOUNDATION

Make check payable to the Tennessee
Surveying Education Foundation.

Mail to Lynn Spencer

9956 Victor Dr. S., Olive Branch, MS 38654

Lodging is the responsibility of the attendee. The Embassy Suites has blocked a group of rooms at a special rate of \$141 single and double, \$151 triple and quad. Reservations can be made by calling 615-890-4464 (group code TAP). Reservations can be made at <https://embassysuites.hilton.com/en/es/groups/personalized/M/MBTESES-TAP-20190306/index.jhtml>.

All rooms are suites and include complimentary room internet, a full cooked-to-order breakfast and Manager's Reception each evening from 5:30-7:30 p.m. **Cutoff date is February 6, 2019.** Please help TAPS keep room rates down by reserving your rooms with the Embassy Suites.

MAKE YOUR RESERVATIONS NOW!

An early departure fee of \$75 may be assessed to the individual and charged to the individual's room folio for suites that check out before their original departure date as stated on their reservation.

Thanks to **Mario Forte**, Vice President and 2019 Conference Chairman.

TAPS Apparel and Gear

TAPS has a business relationship with two stores that provide TAPS apparel.
TAPS apparel make great gifts! Shop now!



Lands' End Business Outfitters TAPS Store

Company Name:
Tennessee Association of
Professional Surveyors

Store URL:
[http://business.landsend.com/store/
TNSurveyors](http://business.landsend.com/store/TNSurveyors)

Follow directions for purchase.

There are several ways to place an order:

- You can request a Retail Purchasing Card (aka, COP card) which allows you to shop Cabela's retail stores and receive your discount.
- Request a user ID and log in to a secured website and receive your pricing as you shop www.cabelas.com.
- Call 800-753-3219, identify yourself as a TAPS member, give the Outfitter your account #81412744 and tell them you would like to place an order. Orders shipping to the nearest Cabela's retail store ship FREE.
- Email your order to outfit@cabelas.com and copy michael.seay@cabelas.com and someone will be back in touch with you the same day. Orders received before 3:00 p.m. CT are normally shipped the same day.
- Feel free to send Mike Seay an email or call him at 308-255-1615.

TAPS members will receive emails from Cabela's throughout the year.

Golf Information

Wednesday, March 6, 2019

12:00 noon

Cost: \$75 per person

Topgolf Nashville
500 Cowan Street, Nashville, TN 37207

Contact: Lynn Spencer
lspencer@civi-link.com

**Benefits the Tennessee Surveying
Education Foundation**



Student Registration

Registration required. No charge for TAPS PDH seminars and viewing of exhibits. College or university name required.

Exhibit Only Information

Registration required. No meals/no seminars. No charge.
Exhibits will be open during the following times:

Thursday, March 7, 2019:

11:30am - 1:00pm; 3:30-5:30pm

Friday, March 8, 2019: 7:30am-2:00pm

No viewing of exhibits on Saturday, March 9, 2019

Around Town Information

Nashville Predators – www.nhl.com/predators

City of Murfreesboro – www.americantowns.com/tn/murfreesboro/events

Ryman Auditorium – www.ryman.com

Grand Ole Opry – www.opry.com

General Jackson Dinner Cruise – www.generaljackson.com

Nashville Symphony – www.nashvillesymphony.org

Tennessee Performing Arts – www.tpac.org

Frist Art Museum – www.fristartmuseum.org

ATV Grand Prize Drawing

Must pre-register (Early Bird & Pre-Registration) to receive a ticket for drawing.

Tickets will not be for sale. Drawing to be held on the last day of the conference.

Winner must be present to win.

Winner must make arrangements to take ATV home from conference.

Registration and Purchase Form

TAPS 51st Annual Conference & Exhibition

Last Name _____ First Name _____ License No. _____
 Company _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____ Email _____
 TAPS member? Yes No First-time attendee? Yes No Student? Yes No Non-Licensed? Yes No

If you would like to become a member of TAPS and receive the member rate, please fill out a membership application and send with your conference registration. Membership and registration is available online at www.taps-inc.com. Click on "Purchase Online" link.

CONFERENCE REGISTRATION

	Early Bird (2/6/19)	Pre (after 2/6/19)	Desk (after 3/6/19 at conf***)	
<input type="checkbox"/> 3-Day Full Package Includes: PDH, Breaks, Exhibits, Thursday Reception, Friday Lunch, Grand Prize Ticket	<u>Member</u> \$300	\$325	\$350	\$ _____
	<u>Non Member</u>	Licensed Add \$225 to the member price above		\$ _____

SINGLE DAY REGISTRATION

<input type="checkbox"/> Thursday Only Includes: 5 PDH, Break, Exhibits, Reception	<u>Member</u> \$160	\$185	\$210	\$ _____
	<u>Non Member</u>	Licensed Add \$225 to the member price above		\$ _____
<input type="checkbox"/> Friday Only Includes: 8 PDH, Break, Exhibits, Friday Lunch	<u>Member</u> \$230	\$255	\$280	\$ _____
	<u>Non Member</u>	Licensed Add \$225 to the member price above		\$ _____
<input type="checkbox"/> Saturday Only Includes: 4 PDH & Break	<u>Member</u> \$110	\$135	\$160	\$ _____
	<u>Non Member</u>	Licensed Add \$225 to the member price above		\$ _____
<input type="checkbox"/> Exhibit Only No Charge - Name Badge Required - See Exhibit hours				
<input type="checkbox"/> Seminars Only for Technicians/Non-Licensed	<u>Member</u> - \$30/day <u>Non Member</u> - \$50/day ____ day(s) @ \$ ____ \$ _____			

***Desk Registration

*****To receive member registration fee, you must present your TAPS membership card or number upon registration at conference.**

Extra Tickets

Friday Lunch	\$30	\$ _____
Exhibit Reception <input type="checkbox"/> Thurs.	\$25	\$ _____

Total Purchases

\$ _____
\$ _____
\$ _____
\$ _____

Ladies Auxiliary Contact

Shannon Cleveland, President
tapsladies@gmail.com

Vendor Bingo Cards

Visit all the exhibits for a chance to win a great prize!

Method of Payment

To pay online go to www.taps-inc.com. Click Purchase Online link. American Express is not available for online purchases.

- Check enclosed** (payable to TAPS)
 Charge my: Visa MC Discover AmEx

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 Exp. Date _____ 3 digit code _____
 Signature _____

Conference Cancellation Policy

No refunds will be given after March 1, 2019.

RETURN TO:

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 Madison, TN 37115
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TAPS 51st Annual Conference & Exhibition

Land Surveyors Exam Review Workshop

Win an ATV

Information Enclosed



Tennessee Association of Professional Surveyors
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