

**2014 PLSO Annual Conference**  
**Feb. 12-15, Sandusky**  
**Kalahari Resort**  
**Hosted by:**  
**Cleveland Chapter**

# Cleveland Surveying News

**December 2013**

**Don't be the only one who isn't going!**  
**See inside for details.**

- . Annual Meeting, Jan. 23**
- . 2014 Officer Nominations**



**Sales • Service • Rental • Leasing • Training • Support**

**Mapping, Scanning and Surveying Solutions**

**Serving Ohio for over 47 years**



*Authorized Dealer*

3455 Briarfield Blvd – Suite D

Maumee, OH 43537

Tel: 800-548-1503

Fax: 419-243-6418

[info@cityblueprintoftoledo.com](mailto:info@cityblueprintoftoledo.com)

[www.cityblueprintoftoledo.com](http://www.cityblueprintoftoledo.com)

# Cleveland Chapter

## Professional Land Surveyors of Ohio

PRESIDENT  
Robert Hoy, PS  
[robert.hoy7@hotmail.com](mailto:robert.hoy7@hotmail.com)  
216-389-7677

PRESIDENT-ELECT  
(*vacant*)

TREASURER  
Timothy Feller, PS  
[timf@mcsteen.com](mailto:timf@mcsteen.com)

SECRETARY  
(*vacant*)  
(Michael Ackerman -  
Acting Secretary)

DELEGATE  
Thomas Snezek, PS  
[dadsurv@hotmail.com](mailto:dadsurv@hotmail.com)

PAST PRESIDENT  
Robert Hoy, PS

### Cleveland Surveying News

Volume 12, Issue 7  
Distribution: 340  
Editor: (open if interested)  
Publisher: Robert Hoy

Columnists:  
John Dailey, P.S.  
Peter D. Zwick, P.E., P.S.

Cover Photographer:

### 2013 Advertising Rates

Full page: 9.6"x7.3" \$400 yr  
1/2 page: 4.8"x7.3" \$200 yr  
1/4 page: 4.8"x3.6" \$100 yr

Email the CSN

Cleveland Chapter of PLSO  
P. O. Box 81713  
Cleveland, OH 44181-0713

## Features

<u>Annual Meeting</u>	4
<u>2014 Annual Conference</u>	7
<u>2014 Officer Nominations</u>	9

## Meetings

<u>January Executive Meeting</u>	12
<u>December Executive Highlights</u>	14

## Articles

<u>Random Lines</u> by John Dailey, P.S.	12
------------------------------------------	----

## Reports

<u>President's Message</u>	5
<u>Delegate</u>	10

## Miscellaneous

<u><a href="http://www.plso.info">www.plso.info</a></u>	5
<u>Chapter Calendar</u>	12
<u>Scholarship</u>	14

## Annual Meeting

Thursday January 23, 2014

### Carrie Cerinos

8922 Ridge Road

North Royalton

[www.carriecerinos.com](http://www.carriecerinos.com)

We will be ordering off their regular menu and pay our bills individually. [Click Here](#) for their online PDF menu.

#### Schedule

6:00 Happy Hour

7:00 Dinner

Followed by:

- Recognition & Installation of Officers
- Surveyor of the Year Award

#### **Reservations Required**

Contact Jack Hoy:

[margehoy@sbcglobal.net](mailto:margehoy@sbcglobal.net)

440-877-1434 (leave a message)



This is a great opportunity to reconnect with colleagues, give your ideas about what the Chapter should do in 2014, and of course have a good time!

People will be talking about the Annual Conference that will be just a couple of weeks after the meeting and you can congratulate Surveyor of the Year award recipient Robert Hoy.

This is our most social event of the year, so bring your spouse or significant other too!

# HIGH GRADE HARDWOOD SURVEY STAKES

## DELIVERY AVAILABLE

- TOPCON DEALER
- SOKKIA DEALER
- FIELD SUPPLIES
- INSTRUMENT SALES, SERVICE & RENTAL
- GPS TECHNOLOGIES
- FIELD EQUIPMENT



# ROBERTS

## *Surveying Supplies*

[WWW.ROBERTSSURVEYING.COM](http://WWW.ROBERTSSURVEYING.COM)

5758 Ridge Road Parma, Ohio 44129

Phone (440) 842-2218

Fax (440) 842-0802

## President's Message

### New Year

Another year has come and gone. How has this year been for you? Come to our **Annual Meeting** on Thursday January 23rd and talk about it with fellow Surveyors. See Page 4 for meeting details.



**Robert Hoy**  
President

Now is an excellent time to reflect on what you've been doing, how you've been doing things, and to make changes for the future. Coming to the PLSO Annual Conference is a good way to help make some improvements in your professional practice. Our Chapter is hosting the Conference in Sandusky at the Kalahari Resort. The entire Conference brochure, including registration form, is at the end of this newsletter.

The Executive Committee has been discussing the possibility of having some of our Chapter seminars at restaurants again to foster in a more social atmosphere. What are your thoughts? Come and let's talk at the Annual Meeting! Bring a colleague from work, let's get our chapter membership on the rise for 2014.

Lastly we have Chapter office positions that need to be filled. I'm excited to have Steve Metcalf volunteering to be Secretary in 2014. We have vacancies at President, President-Elect, and Delegate. See Page 9 for more.

Have a Safe and Happy New Year!

Robert Hoy, PS  
Chapter President  
robert.hoy@arcadis-us.com

---

### [www.plso.info](http://www.plso.info)

plso.info is the Cleveland Chapter's online "bank" of surveys mostly within Cuyahoga county. This is accessible to Cleveland Chapter members.

This is in every newsletter, and portions of sample surveys from this bank/database of surveys have appeared in past newsletters showing the quality of the survey scans and detail of the surveys themselves. There's a lot of great survey records in our online database. We want to hear what you think of it, the interface, the searching abilities, etc. We have our eye on acquiring more retired surveyors' records that may at some point end up in the survey database.

Email Dino Lustri with questions, comments, and for log-in info at: [dino@dlengineeringllc.com](mailto:dino@dlengineeringllc.com)



Nova

## WHEN YOU'RE NOT SURE — JUST SCAN IT!

Robotic Total Station | Imaging | Scanning | GNSS - All in a Single System

What if your robotic total station had scanning capabilities, without the need for complex registration of scan data in the field or processing in the office? The **NEW! Leica Nova MS50** enables you to capture and create a point cloud directly in the field — all through a familiar survey workflow.

It's a risk-free entryway into the profitable world of laser scanning, so you can be sure every time.

[www.novalearningnetwork.com](http://www.novalearningnetwork.com)

For more information contact your local  
Leica Geosystems representative:  
Alex Cherchian  
P. 614-264-6722 C. 614-264-6722  
Email: [alex.cherchian@leicaus.com](mailto:alex.cherchian@leicaus.com)  
[www.leica-geosystems.us](http://www.leica-geosystems.us)

- when it has to be **right**

**Leica**  
Geosystems

## 2014 Annual Conference - Kalahari (Cleveland hosted)

### February 12 - 15 (Wed. - Sat.)

The conference is almost here, and registration is open! Full registration includes the full Wednesday evening through Saturday morning. On the conference brochure (end of this newsletter) the cut off date for the Conference room rate is January 13, contact the hotel.

Conference registration deadline is January 24.

If you have any suggestions or questions for the conference committee, I'm sure you'll see some of them at our Annual Meeting on January 23rd, and their email is listed below.

Conference Chairman Ken Hujduk: [kenh@hca-es.com](mailto:kenh@hca-es.com)

Program Chairman John G. Hoy: [jhoy.7419@att.net](mailto:jhoy.7419@att.net)

Exhibitor Chairman John Bischof: [bischof@cvelimited.com](mailto:bischof@cvelimited.com)

Benefit/Auction Chairman Dino Lustri: [dino@dlengineeringllc.com](mailto:dino@dlengineeringllc.com)

Hospitality Chairman Thomas Snezek, hospitality room sponsors, [dadsurv@hotmail.com](mailto:dadsurv@hotmail.com)

**Note:** The **Benefit/Auction** is a little different this time around, so contact Dino to find out how you can donate.

# MAGNET Enterprise

Field and Office.  
Connected.

## Field



## Enterprise



## Office





# TOPCON

The software solution that streamlines the workflow for surveyors,  
contractors, engineers and mapping professionals.

MAGNET Enterprise is a web browser-based environment that simplifies managing field and office data in the cloud. Track assets and communicate with everyone involved on your projects. Login from any browser for live updates. Save time and collaborate during a project.

- Web Browser Access
- Live Data Exchange
- Map View of Field Data

- Data Secure Backup
- Chat and Communicate with Others



ASK US ABOUT  
**GeoShack**  
*Advantage*



**GeoShack**  
Everything for Jobsite Accuracy.

**CLEVELAND • COLUMBUS**  
1-800-527-3762 • [www.geoshack.com](http://www.geoshack.com)



**Precision Laser  
& Instrument, Inc.**  
[www.laserinst.com](http://www.laserinst.com)

Construction • Survey • GIS

Sales • Service • Rentals • Training • Support



## Locations:



"We're focused on YOU!"

### Pittsburgh Office

85 11<sup>th</sup> Street  
Ambridge, PA 15003  
Ph: (724) 266-1600  
Fax: (724) 266-8161

### Columbus Office

372 Morrison Rd., Suite D  
Columbus, OH 43213  
Ph: (614) 759-1000  
Fax: (614) 759-7059

### Cincinnati Office

820-B Lebanon Street  
Monroe, OH 45050  
Ph: (513) 539-0022  
Fax: (513) 539-0033

### Akron Office

2567 S. Arlington Rd., Suite 5  
Akron, OH 44319  
Ph: (330) 633-4900  
Fax: (330) 633-4999

### WV Office

504 Old Goff Mtn. Rd.  
Cross Lanes, WV 25313  
Ph: (304) 776-1831  
Fax: (304) 776-6790

## 2014 Officer Nominations

Serving as a Chapter officer is very rewarding and more so than the 2 PDHs earned by being on an active committee of a professional organization. Your Chapter needs your ideas and your energy.

Our current slate of officers or 2014:

President:     Your Name Here      
 President-Elect:     Your Name Here      
 Treasurer: Timothy Feller  
 Secretary: Steve Metcalf  
 Delegate:     Your Name Here      
 Past-President: Robert Hoy

Offices of President, President-Elect, and Delegate must be filled by a Chapter member of Professional, Life, or Retired categories.

Many of our Chapter members have been active in the past including having been officers and even have held the office of President. It's time to step up and become active once again. Members that have been Chapter President can hold that office once again!

Let us know how you want to participate this coming year. My contact information is on Page 3.

- Robert Hoy  
 Chapter President

# Jake's Stakes

## AMISH MADE

8200 Camp Road Homerville, Ohio

### SURVEYING and CONSTRUCTION STAKES

**High quality, light colored, HARDWOOD and smooth**

#### MARKER STAKES

Bundle of 50	
18" x 1 5/8" x 1/2"	\$0.18 ea
24" x 1 5/8" x 1/2"	\$0.20 ea
30" x 1 5/8" x 1/2"	\$0.25 ea
36" x 1 1/2" x 7/16"	\$0.28 ea
48" x 1 1/2" x 7/16"	\$0.36 ea
48" x 7/8" x 1/2"	\$0.24 ea

■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■  
**NO ORDER TOO  
 SMALL or TOO  
 FAR**  
 ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■

#### SQUARE HUBS

Bundle of 25	
12" x 2" x 2"	\$0.24 ea
18" x 2" x 2"	\$0.32 ea
22" x 2" x 2"	\$0.36 ea

#### WEDGES HUBS

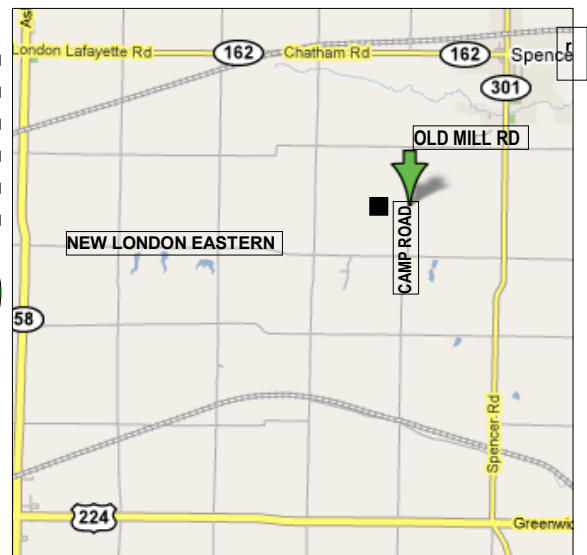
Bundle of 50	
22" HUB MARKER	\$0.13 ea/Bundle of 100
9"	\$0.13 ea
12"	\$0.15 ea

#### METAL REBAR RODS

Available Any Length Call for \$

**ORDERS FILLED  
 RAPIDLY!**

**FREE DELIVERY ON  
 LARGE ORDERS**



**IF WE DON'T HAVE IT - WE MAKE IT!**

**DELIVERY AVAILABLE : CALL Dwight at Spencer Feed & Supply 330-648-2111**

**\* WE DELIVER ANYWHERE \* WE DELIVER ANYWHERE \* Fax Orders: Attn.**

(Cont'd on Page 10)

## Cleveland Chapter's Delegate Report

*\*The report included herein is offered only as informational to the members of the Cleveland Chapter. The reader is deferred to the approved minutes of the P.L.S.O. for any clarifications\**

Friday November 8, 2013

- 19 Officers and Delegates present, Quorum Established.
- Review and passage of October meeting minutes as amended.
- Treasurer's Report – Reviewed and accepted subject to the Finance Committee's review, as per the Charter guidelines.
- New Members – New members list not available. One Life member approved by motion.
- P.L.S.O. Office Staff – Dona and Melinda have absorbed the duties of Lynn who resigned in October.
- After Executive Session, a motion was passed to provide \$1200 per month for the remainder of this fiscal year for hospitalization coverage of the office staff.



**Thomas Snezek**  
Delegate

### Inter-Association

- C.E.A.O. – Announced award of \$120,000,000 in bridge project funding. 30 County and 10 City bridges are anticipated to be rebuilt or replaced.
- State Board of Registration – Computer testing for the Fundamentals examinations pass the House, (bill#202) and is on the Senate Floor, (#154) and is expected to be effective on 1/1/14.
- The Attorney General has given the opinion that all Sole Proprietors will need a Certificate of Authorization.
- Dean Ringle has agreed to serve on the State Board once again.
- The "Good Samaritan Bill" being reviewed will provide protection against liability if you serve in a voluntary capacity during a public emergency.

### Committee Reports

- P.A.C. balance is \$2,379.35
- Constitution Review Committee – Working on revised by-laws. Must be passed by 2/3rds vote by January meeting.
- O.S.N. Newsletter deadline is December 1, 2013.
- NSPS Governor's Report - Ohio ranks third in the top six State Surveyor Associations with 1159 members. Ohio's dues are one of the lowest at \$145 per year. Range is from \$300 in Michigan to California at \$160.00. It is noted that Ohio has the highest ratio of professional to members in the country.
- Motion passed to enter into an agreement with N.S.P.S.
- Trig\*Star - It's not too early to start planning a Trig Star event.
- Fall Conference - was well attended. Report being worked on and will provide financials.
- Two Workshops are in the planning for this fall. More info coming soon.
- Legislation - Motion passed to create a "Legislator of the Year" award. Details will be coming soon.
- Website - Director Gilpin is working on a plan to allow members to sell equipment via the members-only section of the state web-site.

### Nominations

Nomination and election of new officers of the 2014 year are, Tom Snezek as State secretary, Steve .... As Treasurer.

Adjourned at 8:15 PM.

Respectfully Submitted,  
Thomas A. Snezek, PS



From point to plan to project,  
we'll help you make it perfect.

Image courtesy of Allen Nobles and Associates

**Leica**  
Geosystems

**Autodesk**  
Gold Partner  
Architecture, Engineering & Construction

### Scan to BIM Software

**Leica Geosystems and Autodesk provider  
Civil 3D Experts and Licensed Surveyors**

We're the only organization providing HDS hardware that also understands how that data will be used downstream, not just in design, but all the way through to facility management and for creation of as-builts for retrofits and renovations. Check in with our experts and you'll see what makes us different—and how you can put that difference to work for you.

Call our Cleveland office today at 216.834.8326 or visit us at [imaginitt.com](http://imaginitt.com)

**IMAGINIT**  
TECHNOLOGIES  
A RAND Worldwide Company

## Random Lines

by John Dailey, P.S.

Ah, imagine this: sitting next to the pool in 85 degree weather enjoying a drink (lo-cal soda, of course) and enjoying a dip in the pool. Ah, paradise!! Oh yeah, and getting an education at the same time..

Our Cleveland Chapter is the host Chapter for the 2014 PLSO Annual Conference at Kalahari Water Park in Sandusky. It comes at the ideal time to take a winter break.

The committee chaired by Ken Hejduk has done a great job of pulling together an impressive panel of speakers. We are not talking about "tripod waxing" or "range pole painting." We are looking at programs that range from the State Board of Registration to the latest technology in robotic surveying. This is not your father's (or my) surveying program but it is topical and cutting edge. You will have the opportunity to pick up most on your required CPD credits at this one meeting.

But it gets better. Besides the educational benefits,

there are several other reasons for attending. One is to meet and socialize with other Surveyors and Exhibitors. This is commonly referred to as "networking", something that Surveyors do not usually have time for.



Another is to get a close up look at some of the newest equipment and programs available. The Exhibitors usually pull out all the stops and bring the best they have to show it off. In talking to the Exhibitors, you can usually learn a lot. Over the years, I personally learned as much from the Exhibitors as from the presenters.

Going back to "networking" with other Surveyors, in October there was a social meeting of the Chapter at Chammps Restaurant in Valley View. The turnout, if you could call it that, was terrible. I think there were eight of us there. I know the Browns were playing that night, but come on. We were still out of there before the kick off. It makes me wonder what is wrong with the current crop of Surveyors. Are they

John Dailey, P.S.

(Cont'd on [Page 13](#))

---

## Chapter Executive Committee Meeting

Our next meeting:

When: Monday January 13  
Time: 6:00 pm  
Where: Parma City Hall, 2nd floor conference room.  
6611 Ridge Road, Parma

If you have a passion for surveying, you should come to this meeting. Find out we what do at these meetings to lead this chapter, and bring your fresh energy and ideas. We have 2014 Officer openings at President, President-Elect, and Delegate.

Being an active participant in an officer or committee position earns you 2 PDHs of continuing education per year!

---

## Cleveland Chapter of PLSO 2013 Calendar

Chapter Executive Meetings are 6 p.m. at Parma City Hall, 6611 Ridge Road and are open to all PLSO members who want to attend.

**Jan 10** PLSO Executive Meeting  
**Jan 13** Chapter Executive Meeting  
**Jan 14** Cleveland Surveying News deadline  
**Jan 23** Chapter Annual Meeting

**Feb 12-15** PLSO Annual Conference, Kalahari Resort (hosted by the Cleveland Chapter)

## Random Lines (from Page 12)

xenophobic or anti social. I haven't made up my mind on that yet.

Again, during my career, I found out that the other Surveyors, while being my competitors, were also some of my best friends. By knowing them socially, a lot of doors and files were opened to me. It is something that all Surveyors should learn and remember.

Business schools teach the importance of interaction with other people in your profession. Do you think this is "good business?" The answer is YES.

So take this opportunity to improve your education, your social skills and fulfill your CPD requirements. Do you see a down side in this? I don't either.

John Dailey. P.S., Past  
[jdailey@sbcglobal.net](mailto:jdailey@sbcglobal.net)

[www.plso.info](http://www.plso.info)

Chapter Members can visit our Online Survey Database to search and view about 10,000 surveys mostly within Cuyahoga County.

Forgot your log-in info?  
 Email Website Committee Chair  
 Dino Lustri: [dino@dlengineeringllc.com](mailto:dino@dlengineeringllc.com)



**Aerocon Photogrammetric Services Inc**  
*Dedicated to providing quality photogrammetric services since 1967*

- **Aerial Photography**
- **Digital Orthophotography**
- **Digital Topographic Mapping**
- **Analytical Triangulation**
- **DTM/DEM Surface Generation**
- **LiDAR**
- **Airborne GPS**
- **GIS Services**
- **Volumetric Inventories**

4515 Glenbrook Road  
 Willoughby, OH 44094-8215  
 440.946.6277  
 440.946.2646 Fax  
 e-mail: [skymap@aerocon.com](mailto:skymap@aerocon.com)  
[www.aerocon.com](http://www.aerocon.com)



### 2014 Advertising Rates

Full page: 9.6"h x 7.3"w \$400 yr.  
 1/2 page: 4.8"h x 7.3"w \$200 yr.  
 1/4 page: 4.8"h x 3.6"w \$100 yr.  
 Contact: [robert.hoy7@hotmail.com](mailto:robert.hoy7@hotmail.com)

### ADVERTISERS

2	City Blueprint of Toledo	8	Precision Laser & Inst.
4	Roberts Surveying Supplies	9	Jake's Stakes
6	Leica Geosystems	11	Imaginit Technologies
7	GeoShack	13	Aerocon Photogrammetry

## Executive Committee Meeting Highlights

December 2, 2013

The Office of Donald G. Bohning and Assoc. Inc, Valley View, Ohio

In attendance: Robert Hoy, Michael Ackerman, Tim Feller, Ken Hejduk, George Hofmann, and Steve Metcalf.

### Treasury:

The post office box has been renewed for another year. New checks have been ordered.

### Chapter Delegate:

The constitution review committee will give a progress report at the January meeting. Changes to the State Chapter Staff were discussed.

### Committees

#### Communication:

Website Committee: The plso.info has been updated to enable our chapter to self-manage member access.

Program: The January meeting to install the 2014 officers will be held at Carrie Cerino's.

Possible changes to the Social Seminars were discussed.

Education: March 1, 2014 is the deadline for scholarship applications.

Finance: The 2014 budget was accepted as amended.

Elections: Still looking for officers to fill vacant positions

#### Special Committees:

Conference: Registration for the February conference is now online



**Michael Ackerman**  
Acting Secretary

Respectfully submitted,  
Michael Ackerman, Acting Secretary

## Scholarship Deadline

The deadline for receiving applications for our Chapter's scholarship is March 1, 2014. Please give our application to students you may know that attend a qualifying school. See our Rules and Qualifications on our scholarship application. [Click Here to view/download our application in PDF](http://cleveland.plso.com/scholarship.html) which is found on the Scholarship page of our website at: [cleveland.plso.com/scholarship.html](http://cleveland.plso.com/scholarship.html)

We also need members to fill out a Scholarship Committee to review applications and make a recommendation to the Executive Committee. Please contact us and let us know of your interest.

### 2013 Advertising Rates

Full page: 9.6"h x 7.3"w \$400 yr.  
1/2 page: 4.8"h x 7.3"w \$200 yr.  
1/4 page: 4.8"h x 3.6"w \$100 yr.  
Contact: [robert.hoy7@hotmail.com](mailto:robert.hoy7@hotmail.com)

### ADVERTISERS

3	Roberts Surveying Supplies	8	Jake's Stakes
5	Leica Geosystems	9	Imaginit Technologies
6	GeoShack	10	Aerocon Photogrammetry
7	Precision Laser & Inst.	12	City Blueprint of Toledo



## **39th Annual Conference**

**February 12—15, 2014**

At the

**Kalahari Resort and Convention Center**

**Sandusky, Ohio**

***Hosted by the Cleveland Chapter***

**Get all the details and register online at [www.plso.com](http://www.plso.com)**

### **Education and Adventure Planned for 2014!!**

Don't miss your chance to attend great sessions, network with your peers, attend one-of-a-kind events, get great tips to build your business, and take advantage of all the amazing things Kalahari Resort has to offer! You can earn up to 19 credit hours of continuing education credit by attending the entire event—and fees will include all scheduled meals and events during your stay.

### **Session Topics Will Include:**

***Historic Maps: Where to Find Them  
and How to Use Them***

**—Dean Ringle P.E., P.S., Franklin County  
Engineer (Wednesday evening session)**

***Project Management for Surveyors***

**—Valentino DeRocelli, Ph.D., CHMM,  
Compliance Environmental, Inc.**

#### ***ODOT Right of Way Certification Course***

***How to make ODOT happy with your DWG's:  
Yes you can, and no it won't be painful***

***Grab the data and run: Smart ways to use  
GIS, raster and laser scan data in AutoCAD***

**- Dino Lustri, P.S., IMAGINIT Technologies**

**Surveying In the Cloud: A web-based solution to  
manage your field and office data**

**—Mark Larranaga, Topcon Positioning Corp.**

***UAV Surveying—Fred Bulger, Trimble***

***Scanning with Your Robot:***

***An Introduction to the Nova MS50***

**—Alex Cherchian, Leica Geosystems**

**The Latest Technology in Robotic Surveying—  
Ted Muns, City Blueprint of Toledo**

**3D Model Building for Site Work**

**—Tom Peak, P.S. Carlson Software**

**Utilizing Trimble VISION to improve realtime  
visualization and productivity on your surveys—  
Shawn Spencer, Precision Laser and Instrument  
(Saturday morning session)**

**Astronomic Observations / State Plane / GPS Azimuths  
Charles Harkness, P.S. and Richard "Max" Graves, P.S.**

**Boundary Retracement—A.J. Myers, P.S.**

## Kalahari Resort—2014 Annual Conference Location

Make your plans today to join Ohio's surveying professionals February 12—15 at the 39th PLSO Annual Conference. With an indoor water park where it is always a balmy 80 degrees, multiple restaurants and bars, on-site spa, expansive arcade, and much more to see and do —Kalahari is the "place to be" for this fantastic conference!

Individual attendees are responsible for their own room reservations. The resort has provided a room rate of JUST \$130 per night, plus tax (that's 1/2 price!!) for a standard room. The resort has also waived the additional normal resort fee or \$11.95 per room per night for PLSO attendees. Standard rooms include admission for up to four registered hotel guests per room to the waterpark throughout your stay, with additional guests (over four people) in your room costing \$20 per person.. PLEASE NOTE, space is limited, and attendees must stay more than one night to receive this special rate for a Friday night stay. (Wednesday- or Thursday- only night stays will receive the conference rate, but based upon resort capacity expectations, Friday night group rate reservations are reserved for multiple night attendees only.)

Reservations can be made by calling the Kalahari Reservation line at **1-877-525-2427** on or before **Monday, January 13, 2014**. Ask for the **PLSO Annual Conference Room Block** to guarantee your rate. Please note: reservations made through another means, or by utilizing other discount programs will not guarantee you the PLSO conference rate, and reservations for those accommodations will not be counted toward the PLSO room block.

### Annual Conference Schedule Overview

<b>Wednesday</b>	6-7pm	Exhibitors' Welcome Reception
	7-9pm	CPD Session
	<i>Hospitality Suite Open</i>	
<b>Thursday</b>	7am-7pm	Exhibits Open
	8-12pm	CPD Sessions
	<u>PLSO Awards Luncheon</u>	
	1-5pm	CPD Sessions
	5:30—7pm	PLSO Benefit Social
	<i>Featuring a "Progressive Raffle" to benefit PLSO Scholarships</i>	
	<i>Hospitality Suite Open</i>	
<b>Friday</b>	7am-1pm	Exhibits Open
	8-12pm	CPD Sessions
	<u>PLSO Officer Induction Luncheon</u>	
	1-5pm	CPD Sessions
	Annual Membership Meeting	
	<i>Hospitality Suite Open</i>	
<b>Saturday</b>	8am	Breakfast
	9am-12pm	CPD Session

### Spouse' Program Offers

#### Beauty, Pampering and FUN!

Plans are underway for a fabulous two-day program for PLSO spouses attending the conference this year! By the popular demand of our regular attendees—we are offering an entire day of beauty and fun with Tim Maurer of Mukha Spa who will give a new "*Mukah-mazing*" class and then provide a spa service you select! Registered spouses will receive Tim's "menu" of included services upon their completed registration. Space is limited!

Friday will include some special activities that will keep you in the spirit of Valentine's Day, with plenty of time to relax, shop, or enjoy the resort as well.

Spouse registration includes all Thursday and Friday spouse events, daytime meals on Thursday and Friday, Wednesday evening welcome reception, Thursday Benefit Social, exhibit hall entry and Saturday breakfast.

**Professional Land Surveyors of Ohio, Inc.**  
**39<sup>th</sup> Annual Conference**  
**February 12 – 15, 2014**  
**Kalahari Resort and Convention Center, Sandusky, OH**

**REGISTRATION DEADLINE****January 24, 2014****Refund Policy***For cancellations prior to the event*

100% = 30+ days prior

50% = 10-29 days prior

No Refund = 0 – 9 days

Name \_\_\_\_\_ Name for Badge \_\_\_\_\_

Company Name \_\_\_\_\_

Contact Address \_\_\_\_\_  
(Number and Street) (City, State, Zip)

Contact Phone \_\_\_\_\_ Email Address \_\_\_\_\_

Registration (circle all that apply) P.S. P.E. S.I. E.I. Student (school) \_\_\_\_\_ Other \_\_\_\_\_

PLSO Member (please circle) YES NO Chapter Affiliation \_\_\_\_\_  
(If no, out of state residents who are members of their state society may register at the member rate upon confirmation of current membership status.)

Are you a member in another state? Yes No State \_\_\_\_\_

**Registration Fees (circle appropriate category below)**(All registrations include attendance at all scheduled seminar sessions, continental breakfast, lunch, breaks, and Thursday Benefit Social)

Type	Member	Non-Member
FULL REGISTRATION (Licensed or Unlicensed Individual)		
All Days	\$ 385.00	\$ 535.00
One Day (circle day attending)		
(Thurs OR Fri.)	\$ 250.00	\$ 400.00
Saturday ONLY	\$ 75.00	\$ 150.00
STUDENT (Must be currently enrolled in a surveying degree program)		
All Days	\$ 125.00	\$ 200.00
One Day (circle day attending)		
(Thurs OR Fri)	\$ 75.00	\$ 100.00

SPOUSE (must be accompanying registered attendee)

Includes All Spouse Activities, Thurs. Social and Sat. Breakfast \$ 125.00

**Totals and Payment:**

Registration Fee (circle type above) \_\_\_\_\_

Spouse (\$125) Name \_\_\_\_\_

Additional Guest All Day Meals and Exhibit Hall Admission  
(does not include benefit social)

(\$60 each) x # \_\_\_\_\_ x Day(s) \_\_\_\_\_ total \_\_\_\_\_

**GRAND TOTAL** \$ \_\_\_\_\_Payment by check or credit card MUST accompany form –  
government agencies please call to arrange P.O. invoices and payments

Credit Card Payment Info: VISA MC Discover

Card # \_\_\_\_\_

Exp. Date \_\_\_\_\_ Security Code \_\_\_\_\_

Cardholder Name \_\_\_\_\_

Cardholder Signature \_\_\_\_\_

Billing Address (if different from above) \_\_\_\_\_

Please Return Form with Payment to:Professional Land Surveyors of Ohio, Inc.  
6465 Reflections Drive, Suite 100; Dublin, OH 43017

Fax: 614-761-2317

Registrations are not confirmed until payment in full is received.  
Questions? Contact us at: Phone: 614-761-2313 or [info@ohiosurveyor.org](mailto:info@ohiosurveyor.org)**DEADLINE IS JANUARY 24, 2014****2014 Conference Notes:**

PLEASE mark your selected sessions on the next page and return with your registration form.

**Session Handouts** will be available **ONLINE ONLY** for the 2014 Annual Conference.Conference registrants will be provided with a password to access them on the PLSO website when the documents are loaded, and **must download their handouts prior to the conference**. Any handouts not provided in advance will be distributed in sessions by presenters.*\*Handout Hint\* - download the handouts to a laptop or electronic notebook, and you can bring that with you for use during the conference. You can select the information you need for printing after the sessions.***Lodging:** Registrants are responsible for their own room arrangements. The Kalahari Resort and Conference Center (7000 Kalahari Drive, Sandusky, Ohio 44870) has offered a group rate of \$130 for guest rooms of up to 4 people, plus applicable taxes. This room rate is ONLY available on Friday night IF you are staying more than one night at the resort. Unfortunately, it is not available for Friday-only stays. Contact the hotel directly for room arrangements at 1-877-525-2427 and request the **PLSO Annual Conference Room Block** to receive the group rate. **HOTEL RESERVATION DEADLINE IS MONDAY, JANUARY 13, 2014****Spouse's Program:** Planned activities include an all-day session with Tim Maurer of Mukah Spa on Thursday, Feb. 13 and special group activities and free time at the resort on Friday. Spouse registration will also include admission to the Thursday Benefit Social. Call with any questions!

Please indicate your selected sessions for each day of your attendance at the Conference below and return with your registration form.

## Wednesday, February 12, 2014 – All Sessions will be in Conference Center

Registration Opens – 5:00 pm in Conference Center		Exhibit Hall Set Up – 2pm	Hospitality Open - 8pm nightly
TIME		INSTRUCTOR	
6:00 – 7:00 pm	WELCOME RECEPTION IN EXHIBIT HALL PRIOR TO FIRST SESSION		
7:00 – 9:00pm	Historic Maps: Where to find them and How to use them	(2 PDH)	Dean Ringle, P.E., P.S.

## Thursday, February 13, 2014

<i>Registration Opens – 7:00 am</i>		<i>Exhibit Hall Open – 7:00 am</i>	
8:00 – 9:30am	How to make ODOT happy with your DWGs: Yes you can, and no it won't be painful	(1.5 PDH)	Dino Lustrì, P.S., IMAGINiT Technologies
8:10 – 9:40am	State Board of Registration Investigations	(1.5 PDH)	Jason McClean State Board Investigator
8:15 – 9:45am	ODOT R/W Certification Class	Part 1 of 4 (1.5 PDH)	ODOT Staff
<b>Morning Breaks</b>			
10:00 – 12:00pm	Grab the data and run: Smart ways to use GIS, raster and laser scan data in AutoCAD	(2 PDH)	Dino Lustrì, P.S., IMAGINiT Technologies
10:10 – 12:10pm	State Board of Registration – Your License and You	(2 PDH)	John Greenhalge State Board Director
10:15 – 12:15pm	ODOT R/W Certification Class	Part 2 of 4 (2 PDH)	ODOT Staff
<b>PSLO Annual Awards Luncheon in Exhibit Hall</b>			
1:15 – 3:15pm	Surveying in the Cloud: A web-based solution to manage your field and office data	(2 PDH)	Mark Larranaga, Topcon Positioning
1:15 – 3:15pm	NSPS Membership and Federal Legislative Update	(2 PDH)	Robert Akins, P.S. and Jan Fokens, P.S.
1:15 – 3:15pm	ODOT R/W Certification Class	Part 3 of 4 (2 PDH)	ODOT Staff

### Afternoon Breaks

3:45 – 5:15pm	Scanning with Your Robot: An Introduction to the Nova MS50	(1.5 PDH)	Alex Cherchian, Leica Geosystems
3:45 – 5:15pm	FEMA: The Future of Flood Insurance	(1.5 PDH)	FEMA Staff
3:45 – 5:15pm	ODOT R/W Certification Class	Part 4 of 4 (1.5 PDH)	ODOT Staff
5:30 – 7:00pm	<b>Annual Benefit Social and Progressive Raffle – Exhibit Hall (Cash Bar available)</b>		
8:00pm	<i>Hospitality Opens</i>		

## Friday, February 14, 2014

<i>Registration Opens – 7:00 am</i>		<i>Exhibit Hall Open – 7:00 am – 1:00 pm</i>	
8:00 – 9:30am	3D Model Building for Site Work	Part 1 of 2 (1.5 PDH)	Tom Peak, P.S., Carlson Software
8:10 – 9:40am	Project Management for Surveyors	Part 1 of 4 (1.5 PDH)	Val DeRocili, PhD
8:15 – 9:45am	Astronomic Observations/State Plane/ GPS Azimuths	Part 1 of 2 (1.5 PDH)	Charles Harkness, P.S., Richard M. Graves, P.S.
<b>Morning Breaks</b>			
10:00 – 12:00pm	3D Model Building for Site Work	Part 2 of 2 (2 PDH)	Tom Peak, P.S., Carlson Software
10:10 – 12:10pm	Project Management for Surveyors	Part 2 of 4 (2 PDH)	Val DeRocili, PhD
10:15 – 12:15pm	Astronomic Observations/State Plane/ GPS Azimuths	Part 2 of 2 (2 PDH)	Charles Harkness, P.S., Richard M. Graves, P.S.
<b>Lunch in Exhibit Hall</b>			
1:00 – 3:00pm	Unmanned Aerial Vehicle Surveying	(2 PDH)	Fred Bulger, Trimble
1:00 – 3:00pm	Project Management for Surveyors	Part 3 of 4 (2 PDH)	Val DeRocili, PhD
1:00 – 3:00pm	Boundary Retracement	Part 1 of 2 (2 PDH)	A. J. Myers, P.S.

### Afternoon Breaks

3:30 – 5:00pm	The Latest Technology in Robotic Surveying	(1.5 PDH)	Ted Muns, City Blueprint of Toledo
3:30 – 5:00pm	Project Management for Surveyors	Part 4 of 4 (2 PDH)	Val DeRocili, PhD
3:30 – 5:00pm	Boundary Retracement	Part 2 of 2 (2 PDH)	A. J. Myers, P.S.
5:30 pm	<b>PLSO ANNUAL MEETING – All are welcome to attend!!</b>		
8:00pm	<i>Hospitality Opens</i>		

## Saturday, February 15, 2014

8:00 – 9:00am	Buffet Breakfast – In Conference Center		
9:00 – 12:00pm	Utilizing Trimble VISION to improve realtime visualization and productivity on your surveys	(3 PDH)	Shawn Spencer, Precision Laser and Instrument