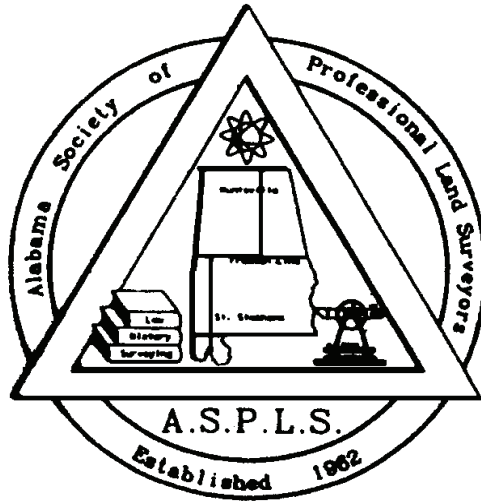


Alabama Society of Professional Land Surveyors



45th Surveying & Mapping Conference

October 19, 20, and 21, 2011

**Embassy Suites Hotel
Montgomery, Alabama**

Seminars, Exhibits & Fun

Register early!!!! This is the only mailing for this meeting.

Scholarship Golf Tournament, October 18th

Tallapoosa Lakes Golf Course, Montgomery, AL

*ASPES
P.O. Box 241254
Montgomery, AL 36124-1254*

*(334) 279-7040 ♦ Fax (334) 279-9991
Email: asples1@bellsouth.net ♦ Website: asples.org*

Mickey Utley



For soul-billy rocker Mickey Utley, playing music is second nature. With almost his entire life devoted to the craft, he's matured into a true talent with a proclivity for songwriting and a rock-n-roll infused country sound that is undeniable.

Born in Winston Salem, North Carolina and now a native of West Tennessee, Mickey spent his childhood years growing up in Belle Eagle, a small community 70 miles outside of Memphis. "Our tight knit home was in the country and filled with lots of love," recalls Mickey. "We loved to sit around and play records and listen to my dad play the guitar." His parents introduced him to a wide variety of music during his impressionable younger years. "Mama liked country and Daddy liked rock-n-roll," remembers Mickey, noting how their influence carved out an indelible impact on his sound today.

For Christmas at age 9, Mickey was gifted a set of drums, thus initiating his life-long love affair with playing music. "I played day in and day out," he said, singing while he practiced. As a teen, he picked up the guitar and started writing songs, quickly realizing he had a penchant for it. "Throughout high school, I listened to all genres of music, but my true love for country music was a secret because it was not hip enough at the time," laughs Mickey. After graduation, Mickey decided whole-heartedly to pursue music as a full-time career, getting his start performing at various clubs around Memphis and making many trips to Music City. Shortly thereafter, he auditioned and landed a performance slot on a country show at Liberty Land Memphis amusement park where he performed six nights a week. "My first night performing there, I had the honor to open up for Aaron Tippin." This opportunity gave Mickey the chance to perfect his stage presence while expanding his knowledge of what it takes to be a crowd-pleasing performer.

From the stage to the studio, Mickey's first project was directed by Producer Clyde Brooks (George Strait, Kenny Rogers, Tanya Tucker, Kenny Chesney, etc). "When The Sun Goes Down," which was written by Mark Collie and Marty Stuart, reached #1 on the Independent Airplay Charts. With musical influences including George Strait, Don Williams and Elvis, Mickey describes his style as a "country sound with a soulful twist." He played the same venues and graced the stage with many chart-topping artists including Brad Paisley, Sugarland, Trace Adkins, Lonestar, Chris Cagle, Neal McCoy, The Oak Ridge Boys, Marty Stuart, Jerry Lee Lewis, Survivor and Jefferson Starship. Mickey's taken the spotlight at some of the best known casinos and top cruise lines and was also invited back to perform at the 24th Anniversary Elvis Week at Graceland.

Knowing firsthand the power of music, Mickey entered the studio again in 2010 determined to craft an album filled with songs that matter. "After signing with Mick-Armour Records/Management, I definitely wanted to make sure I brought something different to the table." Working with producer Rick Holt and Norro Wilson, who is well known for his work with Kenny Chesney, Reba McEntire and John Michael Montgomery, Mickey crafted his latest album, „Til Our Hats Float, which is filled with rowdy, poignant and memorable songs, penned by some of the finest songwriters.

"I've been stepping in front of crowds for years, ever since I was old enough to bang on a drum set," says Mickey. "I've never felt more excited about a project as I do with this one. I think I've truly pushed myself to new heights."

When Mickey isn't on the road, he spends every minute possible with his family. The Utley's enjoy traveling and capturing compelling images as amateur photographers. With his focus geared on being a new artist to the country scene, Mickey is set to shoot up the charts with his new country, infused, soul-billy sound.

A.S.P.L.S. FALL GOLF TOURNAMENT

On **Tuesday, October 18, 2011**, at **12:00 NOON**, in Montgomery, Alabama, at the Tallapoosa Lakes Golf Course, ASPLS will host our Fall Golf Tournament. We had a great time last year and raised \$3,300 for the ASPLS Scholarship Fund. All surveyors, engineers, members, vendors, friends and spouses are invited to join in the fun. This will be a four person scramble. You do not need a handicap. Just fill in the form below.* Each golfer must fill out a separate form. If you need more than one form, just make a copy. There will be awards for long drives, longest putt and closest to the pin.

ALL PROCEEDS FROM THE TOURNAMENT WILL GO TO THE A.S.P.L.S.SCHOLARSHIP FUND-TROY UNIVERSITY

REGISTRATION FORM

Name _____ Firm _____
(please print)

Mailing Address _____ City _____ State _____ Zip _____
(please print)

Telephone () _____ Golf includes Green fees, Range Balls and Cart \$70.00

* My average score is _____ **TOTAL AMOUNT DUE - \$70.00**

RETURN FORM AND CHECK BEFORE OCTOBER 14, 2011.

IF YOU HAVE ANY PREFERENCE OF PLAYING PARTNERS, PLEASE INDICATE ON THIS FORM.

SEND FORM AND CHECK TO: **ASPLS SCHOLARSHIP FUND, 219 WEST ALABAMA STREET, FLORENCE, AL 35630**

ANY QUESTIONS, PLEASE CALL RICK COLLINS: (256) 766-1051 or (256) 762-1967 * FAX (256) 766-1201

E-MAIL WLCASSO@AOL.COM

NOTE: PLEASE SEND APPLICATION IN AS SOON AS POSSIBLE!

ASPLS'S 45th SURVEYING & MAPPING FALL CONFERENCE

October 19, 20 & 21, 2011

Embassy Suites Hotel ❖ 300 Tallapoosa St.. ❖ Montgomery, AL
Telephone (334) 269-5055 **Reservation code is MAP**

Hotel accommodations: (All suites) Complete with refrigerator & microwave. There is a separate living area. The suite also includes two televisions, two telephones with voice messages and a computer jack. (Wireless Internet -\$9.95 per day)
Your room rate of \$127.00 plus tax includes a FULL cooked-to-order breakfast each morning and a complimentary two-hour bar reception each evening. Please specify King or Double when making your reservation and ask for CODE MAP ❖ Call (334)269-5055 –Direct to hotel

Reservations must be made by September 18, 2011 to get the ASPLS rate (code MAP)
Book early to assure your rate! IT IS EASIER TO CANCEL THAN TO WAIT TOO LATE!

You must book your own reservations with the hotel.

Directions to the hotel: From I-85 take I-65 north to the Herron St. exit, turn right. Traveling south on I-65, take Clay St. exit; cross Clay to Herron, turn left, Herron turns into Bibb. Take Bibb to Commerce, turn left to Tallapoosa Street

EXHIBITS WILL OPEN ON WEDNESDAY OCT. 19 & CLOSE AT NOON ON FRIDAY OCT 21ST.

CONFERENCE OUTLINE

Wednesday, Oct. 19,2011 Sem #1 Understanding Your Instrumentation (AM) (3.0 PDHs) (Florida approved)
Sem #2 Checking and Adjusting Your Instrumentation (PM) (3.0 PDH) (Florida approved)
Sem #3 Water Boundaries (6.0 PDHs)
Sem #4 Standards of Practice (6.0 PDHs)

Thursday, Oct. 20, 2011 Sem #5 Pincushion Effect (The Multiple Monument Dilemma) (6.0 PDHs)
Sem #6 From A to Z in the NFIP - Part One (6.0 PDHs) (Florida Approved)
Sem #7 CQI-Continuous Quality Improvement to Bulletproof Your Surveys (6.0 PDHs)
Thursday Night: President's Reception with the Mickey Utley & Band

Friday, Oct. 21, 2011 Sem #8 From A to Z in the NFIP - Part Two (6.0 PDHs) (Florida approved)
Sem #9 No Difference Between Grid & Ground (AM) (3.0 PDHs) (Florida Approved)
Sem #10 Surveying With GPS/Using GPS Optimally (PM) (3.0 PDHs) (Florida Approved)
Sem #11 Law of Easements (6.0 PDHs)

You must choose and circle you seminar of choice each day. (See the Registration Form on Page 4)
SAVE MONEY –SELECT THE COMPLETE PACKAGE

You have the opportunity to earn up to 18 PDHs at this meeting.

1. All pre-registrations must be received by Sept. 26, 2011. (Late registration or on-site registration will be an additional \$50.00 (NO EXCEPTIONS!!!))
2. Refund policy: A credit voucher will be issued (if you give a 36 hour notice). If the seminars should be cancelled, refunds are limited to the tuition fees paid. Substitutions are permitted if you notify ASPLS 36 hours ahead.
3. Discounts for multiple registrant from the same company are as follows
 - a. 3-5 registrants –15% discount
 - b. 6-15 registrants-20% discount
 - c. 16 & above (contact Ann Galloway)
4. Handout materials and certification of attendance will be given each attendee.
5. Remember to make your own hotel accommodations by Sept. 18, 2011 (Code MAP).

Note: The hotel charges \$5.00 parking for guests staying in the hotel. Other attendees will park on their own. The City garage in back of Embassy charges \$6.00 per day.

PRESIDENT'S RECEPTION & ENTERTAINMENT "Mickey Utley & Band"

Thursday Night, Oct. 20, 2011 ~ 7:00 PM TO 11:00 PM

7:00 PM to 8:00 PM Heavy Hors D'oeuvres-Eating & Fellowship

8:00 PM to 11:00 PM Entertainment Mickey Utley & Band

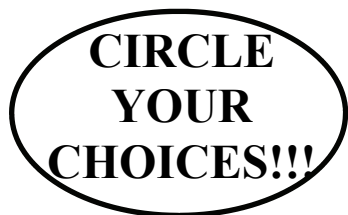
REGISTRATION FORM for 45th SURVEYING & MAPPING CONFERENCE

Embassy Suites Hotel, Montgomery, AL (334) 269-5055

Attention: You must circle your choice of classes each day.

Pre-Registration & PAYMENT by September 26, 2011. After this date- \$50.00 LATE CHARGE APPLIES - NO EXCEPTIONS!!!

| COMPLETE PACKAGE (choice of one seminar each day for all three days plus <u>one</u> ticket for reception). YOU STILL MUST CIRCLE YOUR CHOICE EACH DAY INCLUDING THE RECEPTION & SHOW. IF YOU DO NOT CIRCLE THE RECEPTION & SHOW, YOU WILL NOT HAVE A TICKET FOR IT!!! | | | | Member | Non-Member |
|---|--------------|---------------|--------------|-----------------|-----------------|
| | | | | \$325.00 | \$400.00 |
| | Wednesday | Thursday | Friday | | |
| Sem. 1 Understanding Your Instrumentation (FL) 3.0 PDH's | Oct. 19 (AM) | | | \$125.00 | \$170.00 |
| Sem. 2 Checking & Adj. Your Instrumentation (FL) 3.0 PDH's | Oct 19 (PM) | | | 125.00 | 170.00 |
| Sem. 3 Water Boundaries 6.0 PDH's | Oct 19 | | | 145.00 | 200.00 |
| Sem. 4 Standards of Practice 6.0 PDH's | Oct 19 | | | 145.00 | 200.00 |
| Sem. 5 Pincushion Effect 6.0 PDH's | | Oct 20 | | 145.00 | 200.00 |
| Sem. 6 From A to Z in the NFIP (Part 1) (FL) 6.0 PDH's | | Oct. 20 | | 145.00 | 200.00 |
| Sem. 7 CQI-Continuous Quality Improvement 6.0 PDHs | | Oct. 20 | | 145.00 | 200.00 |
| Sem. 8 From A to Z in the NFIP (Part 2) (FL) 6.0 PDHs | | | Oct. 21 | 145.00 | 200.00 |
| Sem. 9 No Difference Between Grid & Ground (FL) 3.0 PDHs | | | Oct. 21 (AM) | 125.00 | 170.00 |
| Sem. 10 Surv With GPS/Using FPS Optimally (FL) 3.0 PDHs | | | Oct. 21 (PM) | 125.00 | 170.00 |
| Sem. 11 Law of Easements 6.0 PDHs | | | Oct 21 | 145.00 | 200.00 |
| PRESIDENT'S RECEPTION & "Replay Band" | | Oct. 20 night | | 45.00 | 45.00 |
| GUEST RECEPTION TICKET | | Oct. 20 night | | 45.00 | 45.00 |



▶ If you select the Complete Package but WILL NOT attend the Reception & Show on Thursday night, DO NOT circle the reception. Remember if you plan to attend, you must circle the reception or you will NOT have a ticket

▶ Pre-Registration & Payment by Sept. 26, 2011 - Registration after this day—add \$50.00.

▶ Remember seating is limited - Register Early !!!

REGISTRATION FORM - 45thSURVEYING & MAPPING CONFERENCE, October 19 - 21, 2011

NAME _____
Last First MI Position PLS#

Name or nickname for badge _____ Address _____

Employer _____ Address _____ Phone # _____

Visa Mastercard American Express Discover Check

Credit Card Number _____

Expiration Date of Credit Card _____

Print Name as on Credit Card _____

Signature for Credit Card _____

Refund policy: A credit voucher will be issued (if you give a 36 hr notice). If the seminars should be cancelled, refunds are limited to the tuition fees paid. Substitutions are permitted if you notify ASPLS 36 hrs ahead.

MAIL REGISTRATION FORM WITH CHECK TO:
 Alabama Society of Professional Land Surveyor
 P. O. Box 241254
 Montgomery, AL 36124-1254
 or FAX: (334) 279-9991 (Fax is Secure)

 Name of Guest (IF attending a function)

**SEMINAR #1 ♦ Wednesday (AM) , Oct. 19, 2011 ♦ UNDERSTANDING YOUR INSTRUMENTATION(AM) (3 PDHs) Paiva
Florida approved. General #7932**

This course covers the basics of how total stations, EDMs (including reflectorless), electronic theodolites, optical and electronic levels and GPS work. It even includes a few tips on how to make sure your steel tapes (remember them?) are in "adjustment." If you think including steel tapes are irrelevant, talk to a surveyor who's been in court where the opposing expert shows how at short distances, a well-measured line with a steel tape is actually more accurate than most EDMs.

Topics include: nomenclature; anatomy; variations; automatic functions; accessories (i.e. prisms, antennas, tripods, tribrachs, poles); practical tips for optimizing use of the instruments. Think of this as a "how it works" and "what it means" course.

COURSE OUTLINE

Why it is important to know the basics of how your technology works
Breaking down and understanding the components of your surveying technology
A bit about peripheral devices and accessories
Summary and wrap-up

OBJECTIVES

1. Understand the technology basics of your survey instrumentation
2. Procedures or calculations to use when adjustments can't be done
3. Realize the error contributions of accessories and peripheral devices

SCHEDULE

| | |
|--------------------------|--|
| 7:30 AM- 8:30 AM | Registration/Coffee/Pastries /Visit exhibits (1 hour) |
| 8:30 AM- 9:30 AM | Seminar |
| 9:30 AM- 10:00 AM | Coffee Break & Visit exhibits (30 minutes) |
| 10:00 AM-11: 45 AM | Seminar |
| 11:45 AM | Certificates |
| 11:45 AM-1:00 PM | Lunch on your own (1 hour 15 minutes) |

**SEMINAR #2 ♦ Wednesday, Oct 19, 2011 (PM) ♦ CHECKING AND ADJUSTING YOUR INSTRUMENTATION TO ELIMINATE
DOUBT ABOUT MEASUREMENT QUALITY [AFTER YOU UNDERSTAND WHAT THEY ARE AND HOW THEY WORK]
(3 PDH) Paiva Florida Approved General #7933**

This course covers the basics of keeping most types of instruments and accessories and peripheral surveying devices working so that they deliver quality measurements. Many surveyors have come to grief in court cases, where the good work they did to reestablish a boundary is thrown out, just because they didn't show that they had done the basics of ensuring that their instruments measure correctly.

Topics include: checking or testing your equipment; adjustment (where possible by users); transportation and storage; discussion of the maintenance and reparability of instrumentation. Think of this as a "how to keep it in good shape" course.

COURSE OUTLINE

The theodolite part of the total station
The EDM part of the total station
Levels of all types
GPS once over lightly
Accessories and peripherals

OBJECTIVES

1. Understand the basic testing and adjusting processes for total stations
2. Understand the basic testing and adjusting processes for levels of all types
3. Understand the basic testing and adjusting processes for GPS
4. Understand the basic testing and adjusting processes for peripherals and accessories

SCHEDULE

| | |
|------------------------|---|
| 1:00 PM- 2:30 PM | Seminar |
| 2:30 PM-3:00 PM | Coffee Break & Visit Exhibits (30 minutes) |
| 3:00 PM-4:15PM | Seminar |
| 4:15 PM | Certificates & adjourn |

SEMINAR #3 ♦ Wednesday, Oct 19, 2011 ♦ WATER BOUNDARIES 6.0 PDHs Lucas

This seminar will cover the basic concepts behind water boundaries and how those concepts affect the private practice land surveyor. The history of water boundaries will be discussed including the "equal footing" doctrine, "navigability," "submerged lands," "mean high tide," "high water mark," "low water mark," and other issues affecting the identification and location of the boundary between the upland owner and submerged lands belonging to the sovereign. The common law and civil law rules with regard to water boundaries will be studied. The riparian and littoral rights of the upland owner and the problems facing the boundary surveyor will be studied. Necessary to any discussion of water boundaries is the commerce power and admiralty jurisdiction of the federal government. "Waters of the United States" will be discussed in light of Rapanos v. United States, a decision that could radically change the Army Corps of Engineers' definition of that term. Ample cases studies will be examined to flesh-out the issues. Power Point presentation.

SCHEDULE FOR SEMINAR 3 - WATER BOUNDARIES

| | |
|--------------------------|---|
| 7:30 AM- 8:30 AM | Registration/Coffee/Pastries/Visit Exhibits (1 Hour) |
| 8:30 AM- 9:45 AM | Seminar |
| 9:45 AM-10:15 AM | Coffee Break/Visit Exhibits (30 minutes) |
| 10:15 AM-11:30 AM | Seminar |
| 11:30 AM-12:45 PM | Lunch on your own (1 hour 15 minutes) |
| 12:45 PM-2:15 PM | Seminar |
| 2:15 PM-2:45 PM | Coffee Break/Visit Exhibits (30 minutes) |
| 2:45 PM- 4:15 PM | Seminar |
| 4:15 PM | Certificates & Adjourn |

**SEMINAR #4 ♦ Wednesday, October 19, 2011 (Required every 4 years) ♦ ALABAMA STANDARDS OF PRACTICE
(6.0 PDHs) Grizzard & Ray**

This is a PowerPoint presentation that covers the Standards Rules by number. It includes Case Law and other pertinent information on compliance with the Alabama Standards of Practice.

| | |
|---|--|
| Rule No. 1.01 Purpose | Rule No. 1.05 Construction layout, record, as-built and & Quantity surveys |
| Rule No. 1.02 Definitions | |
| Rule No. 1.03 Boundary Surveys | Rule No. 1.06 Geodetic survey |
| Rule No. 1.04 Vertical Control & Topographic Surveys | Rule No. 1.07 Miscellaneous |

Handout includes a copy of 2011 ALTA Standards and other information such as right of entry law and statute of limitations information.

SCHEDULE

| | |
|--------------------------|---|
| 7:30 AM- 8:30 AM | Registration/Coffee/Pastries/Visit Exhibits (1 hr) |
| 8:30 AM- 10:00 AM | Seminar |
| 10:00 AM-10: 30AM | Coffee Break/Visit Exhibits (30 minutes) |
| 10:30 AM 12 Noon | Seminar |
| 12 Noon-1:15 PM | Lunch on your own (1 hour 15 minutes) |
| 1:15 PM –2:45 PM | Seminar |
| 2:45 PM –3:15 PM | Coffee Break/Visit Exhibits (30 minutes) |
| 3:15 PM-4:15 PM | Seminar |
| 4:15 | Certificates & Adjourn |

**SEMINAR #5 ♦ Thursday, October 20, 2011 ♦ PINCUSHION EFFECT (OR THE MULTIPLE MONUMENT DILEMMA)
(6.0 PDHs) Jeffery Lucas**

The "pincushion" corner is the name that has commonly been assigned to the phenomenon of multiple monuments that have been placed in the vicinity of a single land boundary or property corner. The pincushion corner is the bane of the land surveying profession because it represents the physical manifestation of the land surveyor's collective confusion over his or her duties and responsibilities toward property boundaries. Within the context of the land surveyor's duties and responsibilities toward boundaries, there is no reason for multiple monuments to exist when only one corner is contemplated under the law. This seminar explores the phenomena of the pincushion corner and the dilemma it creates for the land surveying profession. The surprising causes of the pincushion corner will be discussed and ways to avoid starting a new pincushion or adding to an existing one will be explored. Power Point presentation

SCHEDULE

| | |
|-------------------------|---|
| 7:30 AM- 8:30 AM | Registration/Coffee/Pastries/Visit Exhibits (1 Hr) |
| 8:30 AM- 9:30 AM | Seminar |
| 9:30 AM-10:00 AM | Coffee Break/Visit Exhibits (30 minutes) |
| 10:00 AM-11:45AM | Seminar |
| 11:45 AM-1:00 PM | Lunch on your own (1 hour 15 minutes) |
| 1:00 PM- 2:30 PM | Seminar |
| 2:30 PM-3:00 PM | Coffee Break/Visit Exhibits (30 minutes) |
| 3:00 PM-4:15 PM | Seminar |
| 4:15 PM | Certificates & adjourn |

FEMA SEMINARS

**Seminar #6 Part one & Seminar #8 Part two -FLORIDA APPROVED FOR GENERAL 12.0 PDHs (MUST ATTEND BOTH DAYS)
Approval #7952**

VERY IMPORTANT! This was reviewed and approved for 12 core CECs for any CFMs attending.

**Oct. 20 (Sem #6 & Oct. 21, Sem# 8 (Two Day Seminar) Wendy Lathrop, Instructor
From A to Z in the NFIP (or, "A" is for "Accessory Building", "Z" is for "Zone")**

Course description

Flood loss reduction is dependant upon the ability to plan and implement appropriate floodplain management. The National Flood Insurance Program forms the basis of our nation's approach to floodplain management, and it is our responsibility as design professionals to understand the program's three main areas - mapping, regulations, and insurance - in order to protect our clients, our communities, and ourselves. Beginning with the distinctions between the various types of floods and floodplains, this program will investigate the flood maps and the studies behind them, the regulatory basis for floodplain management at the various levels of governmental implementation, and the application of this knowledge to flood map changes and land development decisions. After defining

terms and the applicable regulations we will work hands-on with Elevation Certificates and applications for various Letters of Map Change, and discuss how to advise our clients regarding their floodplain development plans.

Course objectives

Participants will be able to:

1. Find and understand the standards set by the National Flood Insurance Program for local land use regulation
2. Identify the different approaches to floodplain management and how they affect land use and site development
3. Distinguish between flood map revisions and flood map amendments, and understand the differences in requirements for each application
4. Identify the various uses of the Elevation Certificate, and be able to properly complete of this form

**Seminar #6 ♦ Thursday, October 20, 2011 ♦ FROM A TO Z IN THE NFIP - Part One (6.0 PDHs) Lathrop
Florida approved (Must attend both days for Florida credits- general #7952)**

1. Introduction to the National Flood Insurance Program (NFIP) – 60 minutes
 - a. Terminology relating to floodplains
 - b. Legislation creating and modifying the NFIP
 - c. Regulations arising from the NFIP (examining Title 44 of the Code of Federal Regulations)
2. Floodplain management – 30 minutes
 - a. Structural and non-structural approaches
 - b. Mitigation
 - c. No Adverse Impact
 - d. Who enforces floodplain management
 - e. Roles in floodplain management before, during, and after the flood
 - f. Hands on practice problem addressing floodplain management principles
3. The "I" in NFIP (insurance aspects) – 35 minutes
 - a. Requirements for flood insurance
 - b. Availability of flood insurance: NFIP participating and non-participating communities
 - c. Kinds of insurance
 - d. Repercussions for lack of insurance to the lender and the homeowner
 - e. Letters of Determination Review and the Standard Flood Hazard Determination Form
 - f. Hands on practice problem addressing community NFIP status
4. Flood hazard zones and land use – 35 minutes
 - a. Definitions of various flood hazard zones
 - b. Regulatory significance of zones
 - c. Minimum criteria established by FEMA
 - d. Local responsibilities to adopt and enforce floodplain/land use regulations
 - e. Hands on practice problem addressing NFIP land use regulations
5. Environmental considerations of floodplain development – 25 minutes
 - a. Erosion (riverine and coastal)
 - b. Coastal barrier areas
 - c. Repetitive loss areas
 - d. Environmentally sensitive areas
 - e. Hands on practice problem addressing NFIP environmental considerations
6. NFIP mapping – 70 minutes
 - a. Brief history of NFIP mapping
 - b. Map types and map features
 - c. Use of maps (understanding their details)
 - d. Digital mapping
 - e. Flood Insurance Study report supplements detailed mapping
7. Keeping maps current – 105 minutes
 - a. Why maps change
 - b. Types of map changes
 - c. Definitions of and distinctions between various Letters of Map Change
 - d. Application requirements for LOMA, eLOMA, and LOMR-F
 - e. Hands on practice problems addressing applications for flood map changes

Schedule for first Day

| | |
|--------------------------|---|
| 7:30 AM- 8:30 AM | Registration/Coffee/Pastries/Visit Exhibits (1 Hour) |
| 8:30 AM- 9:45 AM | Seminar |
| 9:45 AM-10:15 AM | Coffee Break/Visit Exhibits (30 minutes) |
| 10:15 AM-11:30 AM | Seminar |
| 11:30 AM-12:45 PM | Lunch on your own (1 hour 15 minutes) |
| 12:45 PM-2:15 PM | Seminar |
| 2:15 PM-2:45 PM | Coffee Break/Visit Exhibits (30 minutes) |
| 2:45 PM- 4:15 PM | Seminar |
| 4:15 PM | Certificates & Adjourn |

SEMINAR #7 ♦ Thursday, Oct. 20, 2011 ♦ CQI – CONTINUOUS QUALITY IMPROVEMENT—TO BULLETPROOF YOUR SURVEYS AND HAVE MORE PROFESSIONAL BUSINESS AND FIELD PROCESSES (6 PDHs) Paiva

Quality Control (QC), Quality Assurance (QA) and Continuous Quality Improvement (CQI) are terms not frequently used in land surveying and other geomatics activities. Yet, most surveying practitioners and their staffs may unknowingly use some aspects of these activities from the realm of Quality Professionals. This course will help them understand the overall scheme of quality management, and why such a structured approach is essential to maintaining consistent quality in their survey. Paying attention to quality helps the business to be more efficient, productive and profitable, and more resistant to attack in court when surveys and other evidence are presented in court.

The final use of spatial data is reliant on accurate and high quality processes so that end user(s) of that data can reliably use and apply such data and information. Thus, having systematic ways of ensuring quality can be a decided benefit to a typical spatial data professional's practice regardless of whether a particular project is related or may be related to a legal proceeding. In this course suggestions are given on how to concretely apply quality management principles to a geomatics practice, with special emphasis on preventing surveys and evidence from being deemed inadmissible in court.

Benefits of using the aspects of quality management and continuous quality improvement are presented together with the risks of not using them. It is likely that many course attendees will see in the described risks many negative outcomes they may have experienced. It is also possible that they may recognize these outcomes as a result of failure to apply basic quality management techniques to their businesses

When a surveyor is hired as an expert witness, there are many steps in between since being hired as an expert and offering testimony. There are many potential places or events for the surveyor or his or her work to be discredited and motions to prevent the testimony or reports or other evidence from even being admitted as evidence. Oftentimes this discredit arises from the surveyors' inattention to good quality processes from the beginning to end of a project.

Admittedly such discrediting may happen for no reason connected with what the surveyor did. But it can also be that the surveyor overlooked one or more bases that, as an expert, he or she should have covered while performing the various steps of investigation, analysis, making conclusions, reports, and testimony. Good quality processes can help prevent these oversights.

Process, methods and activities that have been appreciated and welcomed by attorneys and the court will be suggested together with ideas on how to adapt them to particular situations. Techniques for expert reports and expert testimony that is appreciated and well-received will be presented. Defensive measures to avoid detection of weaknesses by the opposing parties in any of the expert surveyor's work and testimony will be covered in general and specific ways.

This course applies equally to gathering facts, analyzing and then presenting exhibits and testimony in court actions involving property boundaries as well as other situations where surveying and its principles are applied, making the surveyor's expert testimony crucial. All this notwithstanding, some basic professional and ethical issues regarding the impartiality of the surveyor's findings will also be discussed. These ideas may be applied and used regardless of whether a particular project is related to a legal proceeding.

SCHEDULE

| | |
|--------------------------|---|
| 7:30 AM- 8:30 AM | Registration/Coffee/Pastries/Visit Exhibits (1 hr) |
| 8:30 AM- 10:00 AM | Seminar |
| 10:00 AM-10: 30AM | Coffee Break/Visit Exhibits (30 minutes) |
| 10:30 AM 12 Noon | Seminar |
| 12 Noon-1: 15 PM | Lunch on your own (1 hour 15 minutes) |
| 1:15 PM –2:45 PM | Seminar |
| 2:45 PM –3:15 PM | Coffee Break/Visit Exhibits (30 minutes) |
| 3:15 PM-4:15 PM | Seminar |
| 4:15 PM | Certificates and Adjourn |

**Seminar #8 ♦ Friday, Oct. 21, 2011 ♦ FROM A TO Z IN THE NFIP - Part Two (6.0 PDHs) Wendy Lathrop
Florida Approved General #7952 (Must attend both days)**

1. Mapping improvements – 60 minutes
 - a. Map Modernization initiatives
 - b. Risk MAP follows Map Mod
 - c. Results of NRC flood mapping accuracy study
2. Flood studies – 35 minutes
 - a. "Guidelines and Specifications for Flood Hazard Mapping Partners" – what it is, impact on flood studies/mapping, contents and appendices
 - b. Needs assessments for flood studies
 - c. Surveyor's role in flood study process
3. Elevation Certificates – 180 minutes
 - a. Various uses of the Elevation Certificate
 - b. Terminology associated with this form
 - c. How to complete the form
 - d. FEMA's Technical Bulletins as guidance resources
 - e. Hands on practice problems in form completion and using resources
4. Base Flood Elevations (BFE) – 80 minutes
 - a. Sources of BFE information (both detailed and approximate values)
 - b. Hands on practice problems in determining BFE and using resources

5. Resources – 5 minutes
 - a. The range of resources available online
 - b. Where they are available

Schedule for 2nd day:

| | |
|-------------------------|---|
| 7:30 AM- 8:30 AM | Registration/Coffee/Pastries/Visit Exhibits (1 hr) |
| 8:30 AM- 9:30 AM | Seminar |
| 9:30 AM-10.00 AM | Coffee Break/Visit Exhibits (30 minutes) |
| 10:00 AM-12 Noon | Seminar |
| 12 Noon-1:15 PM | Lunch on your own (1 hour 15 mn) |
| 1:15 PM –2:45 PM | Seminar |
| 2:45 PM –3:00 PM | Coffee Break/Visit Exhibits (15 minutes) |
| 3:00 PM- 4:00 PM | Seminar |
| 4:00 PM | Certificates & Adjourn |

**Seminar # 9 ♦ Friday, October 21, 2011 (AM) ♦ THERE IS NO DIFFERENCE BETWEEN GRID AND GROUND
(3 PDHs) -- Paiva Florida approved General #7934**

DESCRIPTION:

Surveyors do more and more work on some kind of a grid, the most common being an arbitrarily defined “tangent plane” system. When combining GPS with terrestrial measurements such as those from total stations, the magic of software in the field office computers is brought in to solve the “issues.” But what are these issues? What is being solved? What does the surveyor need to keep in mind? State plane coordinates or other officially designated projections are often used when this kind of combining is done. There are many other reasons for using an official plane coordinate system as well. But perhaps because of a lack of understanding of the mathematics that is involved, contractors, engineers, architects, and the surveyors themselves, get into a world of trouble because things don’t apparently fit. This happens for a variety of reasons. Some are due to the fact that courses are published as grid distances and bearings and coordinates are published as grid values as well. These problems are the easiest to explain and resolve. The harder problems occur due to lack of good communication between surveyors and the other stakeholders, or lack of understanding on the part of the surveyor as to what is actually happening to GPS and total station measurements as they are “converted” and combined. In this course a basic explanation of how projections work is covered, followed by an easy-to-understand primer on geodetic concepts. The latter is an essential part of learning how to deal with grid-to-ground issues. Then various strategies for communicating the issues and how stakeholders work with the published surveying information will be covered. All of these strategies apply equally to communicating and computing within a surveying organization or between surveying organizations. Bringing a calculator to this course is suggested so that participants can do simple calculations to verify the equations presented. The material is much more likely to be understood and remembered this way.

COURSE OUTLINE

- The concept of projections including mapping angles
- Step 1, ground distances to the ellipsoid
- Step 2, ellipsoidal (geodetic) distances to the grid
- Sample calculations
- Strategies for eliminating misunderstanding and miscalculation
- Summary and wrap-up

OBJECTIVES

1. Clearly understand the mathematical processes that occur with a measurement to convert between ground, the ellipsoid (geodetic) and the grid
2. Not be confused by the concept of the mapping angle
3. Be clear about which mathematical processes are not to be used when converting from grid to ground to vice versa
4. Have a collection of strategies to explain projections to your own staff, colleagues and stakeholders such as engineers and contractors.

Schedule

| | |
|-------------------------|---|
| 7:30 AM- 8:30 AM | Registration/Coffee/Pastries / Visit exhibits (1 hour) |
| 8:30 AM- 9:30 AM | Seminar |
| 9:30 AM- 9:45 AM | Coffee Break (30 min) |
| 9:45 AM-11:45 AM | Seminar |
| 11:45 AM | Certificates |
| 11:45 AM-1:00 PM | Lunch on your own (1 hour 15 minutes) |

**SEMINAR #10 ♦ Friday October 21, 2011 (PM) ♦ SURVEYING WITH GPS / USING GPS OPTIMALLY (3 PDHs) Paiva
Florida approved –General #7931**

DESCRIPTION:

The improvement of GNSS equipment and availability of Glonass signals and eventually Galileo has made this a tool that more surveyors are relying upon in planning their work. This course addresses the background of the technology and appropriate implementation in survey projects. While core concepts are presented using GPS, GNSS is introduced where applicable. Topics covered include:

Basics of how GPS system has been designed for navigation

How the code phase solution is derived

How differential positioning using code phase is done

How carrier phase solutions are derived

How the surveying GPS software derives solutions and how a surveyor should use those results evaluating results for adequacy

Understanding errors

Practical operating tips.

Course material can also include: types of receivers; types of antennas, multipath, other errors that are exclusive to GPS; traversing with GPS; good operating practice with GPS; projections and datums; the altitude vs. elevation problem; how and when to use surveying GPS for elevation measurement.

COURSE OUTLINE

How the systems are set up and how autonomous positioning works (code phase)

Differential and relative positioning; how carrier phase solutions work

RTK discussion—with your own base station or using real time network

Errors in GNSS

Practical tips for using GNSS

Summary and wrap-up

OBJECTIVES

1. Learn how GPS works so that you can realize its limitations
2. Learn how cm positioning is different from your car navigator, and the additional limitations it brings
3. Operating tips to improve efficiency, accuracy and eliminate blunders
4. Realize that because GNSS is easy to use, that blunders are the most frequent cause of discrepancies
5. Understand the varied sources of errors in GNSS

SCHEDULE

1:00 PM- 2:30 PM Seminar

2:30 PM-2:45 PM Coffee Break (15 min)

2:45 PM-4:00 PM Seminar

4:00 PM Certificates & adjourn

Sem #11 ♦ Friday October 21, 2011 ♦ LAW OF EASEMENTS (6.0 PDHs) Lucas

Real property rights will be examined, generally, and non-possessory interests created by easements will be examined specifically. The classifications and the manner in which easements are created will be studied. This will include a discussion of easements created by conveyance and easements created by other means (e.g. prescription, implication, etc.). Once the creation of easements has been established, the scope, interpretation, and the rights and obligations, of both the easements owner and the owner of the servient estate will be examined. Concepts that will be studied include dominant estate and servient estate; easement in gross and easement appurtenant; express easement and implied (non-express) easement; and "running with the land." The termination and extinguishment of easements will wrap up the discussion. Six court cases, from across the country that exemplify and flesh out these concepts, will be examined by the participants with discussion to follow. Power Point presentation

SCHEDULE

7:30 AM- 8:30 AM Registration/Coffee/Pastries/Visit Exhibits (1 Hour)

8:30 AM- 9:45 AM Seminar

9:45 AM-10:15 AM Coffee Break/Visit Exhibits (30 minutes)

10:15 AM-11:30 AM Seminar

11:30 AM-12:45 PM Lunch on your own (1 hour 15 minutes)

12:45 PM-2:15 PM Seminar

2:15 PM-2:30 PM Coffee Break (15 minutes)

2:30 PM- 4:00 PM Seminar

4:00 PM Certificates & Adjourn

INSTRUCTORS FOR THE FALL CONFERENCE

Billy Grizzard

Billy Grizzard is a licensed Alabama Land Surveyor. He received his surveyor's license in 1980. He has a BS Degree in Business Management. He attended Jacksonville State University, Auburn University and the University of Alabama Birmingham. From 1966 through 1970 Billy spent 4 years in the Air Force where he was assigned to the 1st Geodetic Survey Squadron of Francis E. Warren AFB, Cheyenne, Wyoming. He performed 1st and 2nd order surveying primarily for Missile Guidance throughout the Western United States. During his last year he served as an instructor at the Squadron training school for incoming personnel. Billy formed his own company Grizzard Surveying in 1980 and has been in the same location since that time. He is a past president of the EARLS local chapter of ASPLS, past District 2 Director of ASPLS and the 2008 president of ASPLS. He has served and continues to serve on several ASPLS committees. Billy is the NSPS Governor for ASPLS and the Chairman of the Alabama Land Surveyors Foundation. He has taught standards for several years. **(Seminar #4)**

Wendy Lathrop

Wendy Lathrop is licensed as a Professional Land Surveyor in New Jersey, Pennsylvania, Delaware, and Maryland, and as a Professional Planner in New Jersey. She is also a Certified Floodplain Manager (CFM) through the Association of State Flood Plain Managers. She holds a Master's degree in Environmental Policy, and has been involved since 1974 in surveying projects ranging from construction to boundary to environmental land use disputes.

A former adjunct instructor at Mercer County College in New Jersey, Wendy has also taught as part of the team for the licensing exam review course at Drexel University in Pennsylvania. She has been teaching seminars for surveyors across the country since 1986 and has been writing articles for surveyors since 1983. Wendy is a contributing editor for The American Surveyor magazine, and has two articles included in the American Bar Association's text, "Land Surveys: A Guide for Lawyers and Other Professionals" (1999).

Wendy represented the American Congress on Surveying and Mapping on the Technical Mapping Advisory Council to the Federal Emergency Management Agency for the full five years of that advisory group's appointment, from 1995 through 2000, and has served on a series of advisory FEMA task forces to update and revise the Elevation Certificate since 1998. She was a panel member of the National Academy of Public Administration's study of US Geographic Information resources from December 1996 through September 1997, culminating in a NAPA-produced report entitled "Geographic Information for the 21st Century: Building a Strategy for the Nation". More recently she served on a panel studying flood hazard mapping accuracy for the National Research Council/National Academy of Science, resulting in a report entitled, "Mapping the Zone: Improving Flood Map Accuracy" (published 2009). Wendy is a past President of the New Jersey Society of Professional Land Surveyors and of the National Society of Professional Surveyors, and is President of Cadastral Consulting, LLC. **(Seminar #6 & 8)**

Jeffery N. Lucas

Jeff is in private practice in Birmingham, Alabama. Mr. Lucas has been in the surveying business for 29 years. He is a licensed land surveyor registered in Alabama, Florida, Georgia, Mississippi and Tennessee. Mr. Lucas is also a licensed attorney and a member of the Alabama State Bar. Mr. Lucas specializes in land boundary issues and practices throughout the southeast. He has been a seminar leader on topics that include ALTA/ACSM standards, survey technical standards, boundary law, survey law, legal description, state plane coordinates, geodetic surveying and water boundaries. In addition he has authorized many articles on surveying and boundary issues that have been published in state and national publications. **(Seminars # 3,5 &11)**

Joseph V. R. Paiva

Joe is a Registered Professional Land Surveyor, Registered Professional Engineer with more than 25 years experience working in civil engineering, surveying and mapping. He is a consultant in the field of geomatics and general business, particularly to international developers, manufacturers and distributors of instrumentation and other geomatics tools.

Prior to establishing his own consulting practice, Joe was Managing Director of Spatial Data Research, Inc., a GIS data collection, compilation and software development company. Previously, while at Trimble Navigation Ltd., his assignments included serving as senior scientist and technical advisor for Land Survey research & development, VP of the Land Survey group, and director of business development for the Engineering and Construction Division. Earlier, Joe was Vice President and a founder of Sokkia Technology, Inc., guiding development of GPS- and software-based products for surveying, mapping, measurement and positioning. He has also held senior technical management positions in The Lietz Co. and Sokkia Co. Ltd. Joe's experiences include serving as assistant professor of civil engineering at the University of Missouri-Columbia, and as a partner in a surveying/civil engineering consulting firm.

Joe's key contributions in the development field include design of software flow for the SDR2, SDR20 series and SDR33 Electronic Field Books, and software interface for the Trimble TTS500 total station. As an ACSM representative to the Accrediting Board for Engineering and Technology (ABET), he serves as a program evaluator and team chair. He currently writes for POB and The Empire State Surveyor magazines. In his role as consultant to the Geomatics Industry Association of America, Joe organizes and presents workshops, and authors and edits articles for the technical press. Besides his magazine columns, he is currently working on a practitioner's guide to the optimal use of total stations. **(Seminars # 1,2, 7, 9 &10)**

James Ray

Jim is licensed to practice surveying in Alabama and Florida. Jim started working with a survey crew at age 15, working summers and weekends until he was 18. He attended Junior College for 2 years with his major being math and physics. He attended the University of Alabama, Birmingham for 2 years in math and engineering. He is co-owner of Ray & Gilliland, P.C. His company serves Alabama, Florida, Mississippi and Kentucky. Jim served as president of ASPLS in 2003 and 2007. He is a member of several ASPLS committees. He has taught Standards of Practice for five years. **(Seminar #4)**

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October 19, 20, and 21, 2011

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Fall Golf Tournament*



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