



the witness corner

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CALIFORNIA LAND SURVEYORS ASSOCIATION
ORANGE COUNTY CHAPTER
PMB 201, 13681 Newport Avenue, Suite 8
Tustin, California 92780

www.oc-surveyors.org

OFFICERS 2010

President
Peter Fitzpatrick
714-751-7373
pfitzpatrick@psomas.com

Vice-President
Tony Cuomo
562-795-1790
ACCPLS@msn.com

Treasurer
David Woolley
714-734-8462
dwoolley@dwoolley.com

Secretary
Lisa Gaston
949-458-5445
lgaston@hunsaker.com

Imm. Past President
David Hill
714-860-9400
dhill@socal.rr.com

DIRECTORS

Dave Hill
Mike Simon

CHAPTER REPS.

Tony Cuomo
562-795-1790

Dave Hill
714-860-9400

Jerry Uselton
949-474-1960

Michael Simon
714-907-7711

Dave Woolley
714-734-8462

COMMITTEE CHAIRS

Membership
Alan Frank

Education
Lisa Gaston

J.P.P.C.
Roger Frank

Newsletter Editor
Richard Lopez

Trig-Star
Greg Sebourn

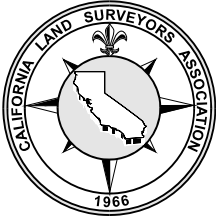
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CALIFORNIA LAND SURVEYORS ASSOCIATION
ORANGE COUNTY CHAPTER

JANUARY DINNER MEETING ANNOUNCEMENT

TUESDAY NIGHT – JANUARY 18, 2011
SOCIAL 6:00 PM DINNER 7 :00 PM

Past Presidents Night



2610 E. KATELLA BLVD., ANAHEIM, CA 92806
ACROSS THE STREET FROM THE ANAHEIM POND
JUST EAST OF THE 57 FREEWAY

This is the night we dedicate to all our past presidents who have served our chapter over the years. Peter Fitzpatrick has had an excellent year as our President, and he will be passing the gavel to our new President, Tony Cuomo. Come meet the new President of the Orange County Chapter and hear about the exciting agenda that he has planned for this coming year. This is our first meeting of the year, so don't miss out.

And as always, you do not have to be a member to attend!

FOR RESERVATIONS CALL: JENNIFER PALMER (949) 474-1960
OR E-MAIL RESERVATIONS: jpalmer@fuscoe.com

This month's raffle prize donation: OC-CLSA

PRESIDENT'S LETTER

Greetings members,

I hope that this letter finds you in good health and spirits.

Okay, I lied in my last letter.

I thought last month was my last President's letter, but my ex-good friend, Joe Padilla, said I will still hold the President's position through January until I officially pass the gavel to Mr. Cuomo at the January dinner meeting. I know Joe meant well when he told me this, but he didn't realize that I was already thinking pina colodas and relaxing in a hammock while congratulating myself on job well done as President. Joe woke me out of my dream-state and so here I am, back again, writing one more letter. I'm going to miss Joe.

Seriously, though, I will give you all one lasting gift that I know you will appreciate. I'm going to make this letter short.

I leave this office a little more tired compared to when I started it, but deeply gratified. I have been introduced to some wonderful folks during the interim, both in and outside of our profession. Best of all, I leave this office knowing that the OC Chapter will continue to be a strong chapter with our incoming officers. If you don't know them yet you soon shall. And if you haven't met them, please introduce yourself to them as they are here to serve you, its member.

I've been asked if I would do it again, and the answer is an unequivocal "Yes". If you are reading this, and would like to be a part of our surveying community then I strongly urge you to consider joining the Board or being a part of a Committee. Fresh voices are always welcome. And remember, our Executive Board meetings are held the 2nd Tuesday of each month at 5:30. The meetings are open to all. This coming year, they will be held at Johnson-Frank. We welcome everyone who would like to attend. If you are interested in

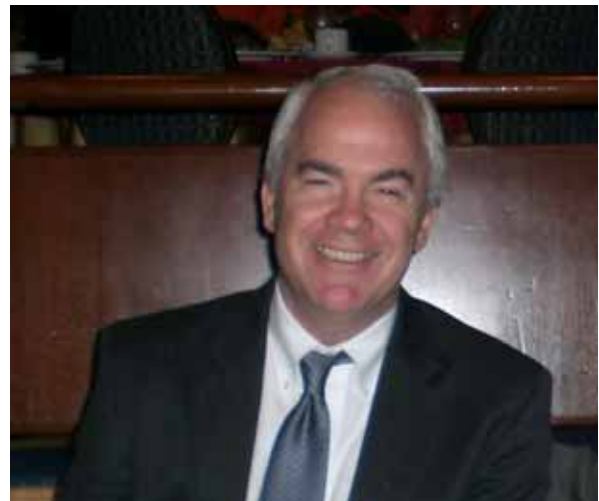
attending, just let Tony know so he can make any necessary arrangements.

I sincerely hope that this New Year proves to be a healthy and a prosperous one for you, your family and your good friends.

Sincerely,



Peter J. Fitzpatrick, President
CLSA, Orange County Chapter



INCOMING PRESIDENT'S LETTER

Well, here we go! What the heck did I get myself into? A couple years ago, just after my dad passed, my wife, Rachelle, and I attended a board meeting to look into the concept of starting a scholarship fund in memory of the big guy. It just so happened that Bruce Hunsaker, who was scheduled to be the treasurer for the coming year, had to withdraw for personal reasons. When then president Dave Hill addressed the board with the fact that Bruce's spot was vacant, simultaneously all eyes turned to the end of the table where Rachelle and I were sitting. Ta-Dah, I was treasurer. (And, just in case you didn't know, Rachelle did a heck of a job as treasurer!)

In the interim two years, I've had some great opportunities to see the inner workings of one of the best CLSA chapters in the State. I can say that for two reasons. The first reason is that I believe we have the best membership in the State. Look around you, and soak in the diversity that defines the Orange County surveying scene. We are fortunate to have it all, right here in our county. From our County Surveyor, Ray Mathe, to the amazing program at Santiago Community College, to the incredible men and women who have heard the call and taken surveying on as their chosen profession, we here in 'The O.C.' have been blessed with an amazing community.

The second reason I believe that our chapter is one of the best in the state is the leadership that we have had over the last 35 years. Starting with Ruel del Castillo, (who served an amazing 3 terms), this chapter has benefitted from the strength, commitment, and vision of so many great men and women who have served as chapter president. Our most recent Past President is no exception. You have to look pretty far to find a finer gentleman and better man than Peter Fitzpatrick. I, for one, am honored to have

had the opportunity to be a part of his presidency.

So, with a deep breath, onward into 2011. We have big goals for the coming year, and an excellent roster of people to carry out the plans and schemes that will, I believe, keep our chapter at the top. I am humbled to have the opportunity to be your 2011 president, and I look forward to seeing you at a meeting or two.

Left a tenth, and away from the gun 5,



EDITOR'S CORNER

Greetings Members and welcome to a brand new year! I hope that the holidays were good to everyone and that we are all refreshed and ready to take on the New Year!

I would like to take this opportunity and congratulate Peter Fitzpatrick on a great year as President of our local chapter.

Despite the recession Peter did a wonderful job on bringing the members to our monthly meetings with captivating subjects for one and all.

As you all know by now this month's meeting is one of my favorite meetings of the year. This meeting brings out all our Past Presidents for one big reunion.

Not only is it great to see all the Past Presidents under one roof, but it's also a great way to start out the new year by attending the first chapter meeting of 2011!

Every January millions of people make New Year's resolutions. As you know, a New Year's resolution is a commitment we make to our selves to achieve a personal goal, project, or a way to start breaking a bad habit.

We do these things in hopes that the New Year starts off on the right foot and brings a new beginning.

Why not make OC-CLSA your New Year's resolution?

I encourage all our members to register, pay your dues, and get involved. The Orange County chapter is a great organization and it's our members who attend meetings and get involved that makes it so successful.

Here's a thought, how about you make a resolution to attend at least 4 meetings this year. Or better yet, why not bring someone who has never attended a meeting? You know the CLSA is a great way to network and

meet some of your peers in our great profession!

So come on out to this months meeting and meet the incoming board and hear what's in store for the New Year.

What ever your New Year's resolution may be, I hope that you are successful and achieve that personal goal, finish that project, or break that bad habit!

Until next time, be safe, healthy, and happy.

Rich Lopez – Witness Corner Editor
CLSA Orange County Chapter
rjlopez@fuscoe.com



ORANGE COUNTY CHAPTER SCHEDULE OF 2011 MEETINGS AND ACTIVITIES

All dinner meetings are to be held starting at 6PM (7PM dinner) at J.T.Schmids pub in Anaheim (unless specified) and all Board meetings are to be held at JFA in Anaheim at 5:30PM. All members are encouraged to attend any or all Board meetings during the year.

Stay Tuned for upcoming events!



Caltrans Professional Liaison Committee

District 12 of Orange County

CALTRANS DISTRICT 12 - PROFESSIONAL LIAISON COMMITTEE MEETING MINUTES December 7, 2010



The Caltrans District 12 Professional Liaison Committee convened at 9:30 AM, Tuesday, December 7, 2010 at the Caltrans District 12 Transportation Management Center (TMC) in Irvine, California.



1. **Introductions, Public Comments – Guests**

All meeting attendees introduced themselves. Please refer to the last page of these minutes for a list of meeting attendees.

2. **Approve Minutes from September 28, 2010 PLC Meeting**

The meeting minutes were approved.

3. **Caltrans Report**

• Caltrans Staffing:

- Hiring freeze under executive still in affect
- Retired Senior Level D12 Caltrans Employee
 - Roger Kao - Hydraulics
 - Adel Malek – Design Branch I/Traffic Design
 - Henry Pham – Traffic Electrical System
 - Lisa Alviso – Design Branch B
 - David Johnson - RW Appraisal/Real Property Management
- District 7 Project Development Coordinator Jim Deluca is reassigned to be responsible for North Region
- Christine Inouye is the new Project Development Coordinator for District 7 and the statewide High Speed Rail Project Coordinator
- Luis Betancourt is the new Project Coordinator for District 8, 11 and 12
- Furlough update
 - Currently staff is still furloughed 3 days a month
 - Supervisors are no longer furloughed but have a 1 day optional leave

• Operations and Maintenance - James Pinheiro

- Continuous access HOV conversion implementation being coordinated with planning, design, construction, and OCTA.



- Project initiation document developed for ADA projects
 - New wheel chair ramps
 - Update existing ramps
 - Developing a 5 year plan for implementation
- Planning – Gary Slater
 - Corridor System Management Plans for the I-405, SR-22, I-605, SR-57, and SR-91 are signed and approved.
 - The Project Initiation Document Budget (PID) budget was reduced via the Governors line-item veto authority. A memo issued by Caltrans director Cindy McKim describes the reductions and is attached to these minutes
- Program management
 - Caltrans is converting to the Integrated Financial Management System (IFMS) accounting system. There have been some challenges, but improvements have been made.
 - Caltrans is converting to the Project Resourcing and Schedule Management (PRSM) system to replace XPM in late 2010.
- Construction-Saeid Asgari
 - I-5 North Completed
 - 91 EB from 241 to 91 done
 - Bids coming in as low as 40% below engineering estimate

4. Caltrans State Liaison Committee - 9/16/10 Meeting Update

- Cognizant agency audit in place: Task Force at HQ continuing discussion on Contract fee escalation issues and QCQA
- CADD platform procurement selection early March of next year
- Pre award audit: reminder that process needs to be done for local agency contracts with some recent reports of proper processes not being followed.

5. Reports from Local Agencies

OCTA

- Board Update: 4 new members
 - Larry Crandall - 2nd district
 - Tom Tait - 4th district
 - Peter Herzog - 5th district
 - Don Bankhead - 4th district

- Construction on the 91 has been initiated
- RFP's: October 2010 - March 2011
 - PA/ED - I-5 Widening Project – January 10th
 - PA/ED - I-5 (SR-73 to El Toro) - March
 - PS&E - I-5 HOV (PCH to Pico) – December 13th
 - CM - SR-57 (Katella to Lincoln) – Proposal due December 8th

Transportation Corridor Agencies (TCA)

- New 241 Alignment Completion may continue public activity in Spring.
- 241/91 PSR PR Contract is being negotiated.

Orange County Public Works

- Alton Pkwy under construction
- Katella under construction

6. Water Quality Issues

- Saiid mentioned Issues during Construction brought up at a Construction Management board meeting.
 - Water Board is becoming more active in enforcing SWPPP measures during construction process
 - SWPPP process appears to be subjective
 - SWPPP needs more focus in the future
- EPA review of Caltrans Maintenance facilities: The district is currently addressing action items that were a result of the review.
- Frank Lin: Department will begin coordinating more between construction and design to help with the SWPPP items in the bid package.

7. Focus Session –

- Key element of the cooperative Agreements through all Phases of Project Development (PA/ED, Design and Construction) – Caltrans HQ Gary Guitierrez, Office Chief, co-ops
- Presentation slides are (attached).
- Other Items Covered:
 - Standard coop done in 60 days or less usually
 - Attorneys only gives opinions on risk, and signs based on legality, not policy
 - Don't expedite coop without having decisions made
 - Standard language can change due to uniqueness of project

- Web based tool developed to expedite process called PACT
 - Other districts have included it in the PDT meetings

9. Set Next Caltrans District 12 PLC Meeting

The next PLC meeting is scheduled for Tuesday, January 25, 2010 at 9:30 a.m. in Room 242/243 of the Caltrans District 12 TMC in Irvine, California.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Steve Huff". The signature is fluid and cursive, with the first name "Steve" and the last name "Huff" clearly distinguishable.

Steve Huff, PE
RBF Consulting

SURVEYOR'S ACT OF HEROISM

On December 7, Governor Arnold Schwarzenegger presented six Caltrans employees with the Medal of Valor award for demonstrating extraordinary acts of bravery and heroism to save the life of another.

The governor awards the Medal of Valor to state employees who have performed an extraordinary act of heroism above and beyond the normal call of duty, at great risk to their own personal safety or life, to save the life of another. There are two types of awards given: Special Service Awards (Silver Medal) and Special Act Awards (Gold Medal).

Caltrans Surveyor Bob MacKenzie receives a "Gold" Governor's Medal of Valor

On the morning of November 30, 2009, while traveling home on State Route 88 near Kirkwood, California, Caltrans District 5 Transportation Surveyor Robert "Bob" Mackenzie and his wife came upon a man waving his arms in the air yelling that a car had just crashed over the embankment. Bob parked his car and without hesitation went over the guardrail and down a slippery, snow-covered, broken-rock mountainside. About 100 feet down, he found an elderly man standing next to an overturned station wagon. Inside the vehicle, Bob discovered the man's wife, Mary, trapped in the front seat with one of her arms pinned under the right front windshield pillar frame. Bob attempted to dig out the arm but was unsuccessful. He then focused on making the victim comfortable and treating her for shock. He covered her exposed hand with a snow boot that he found in the car and pushed rocks under the very unstable car to keep it from falling over onto Mary's hand and him. Bob laid down on the snow-covered ground and maintained communication with the trapped victim for about 20 minutes until rescuers could reach the scene. The reported temperature was near freezing, and Bob had covered Mary with the jacket he was wearing. Bob provided rescuers with information as to the manner Mary was trapped, allowing rescuers to make only one rope trip down the steep embankment with the proper tools and first aid supplies.

Mary Roderick was extricated from the vehicle in about one hour and hiked out to a waiting ambulance. She was then taken to a location where she could be air lifted to a Reno hospital. She spent several days in the hospital and is still recovering from this incident.

PROFESSIONAL ENGINEERS IN CALIFORNIA GOVERNMENT REPORT

Governor Brown has unveiled his proposed State Budget for the next eighteen months. To address a \$25.4 billion General Fund anticipated deficit, he proposes \$12.5 billion in spending cuts, \$12 billion in revenue increases, \$1.9 billion in other measures, and a \$1 billion reserve.

The spending cuts would come from a variety of programs, primarily ones that do not utilize PEGC-represented employees. However, he proposes a cut in employee compensation of \$308 million from the General Fund in the next fiscal year, equivalent to a 10% compensation reduction for the six State Bargaining Units (including Unit 9, represented by PEGC) which did not reach collective bargaining agreements with Governor Schwarzenegger. He is also proposing \$268 million in Special Fund reductions for that item, which would cover most PEGC-represented employees. His proposal would continue 3-day per month furloughs through next June, which would appear to exceed the Legislative authorization in the current budget for 10% reductions. However, he said all this would be pursued through collective bargaining. PEGC looks forward to negotiating a new MOU with the administration and new DPA Director Ron Yank to address the needs of the State and the PEGC membership.

The \$12 billion in revenue increases would be achieved primarily through continuing income, sales, and vehicle license fee levels which would otherwise be reduced. The Governor proposes a special election in June or earlier to seek voter approval or the Legislature will have to address greater budget cuts.

He also proposes to assign decisions and authority to local government in such areas as fire, court security, local corrections, mental health, and foster and adult care, along with funding to take on the added responsibilities. Subsidies to redevelopment agencies and enterprise zones would be eliminated, saving about \$2.5 billion per year.

In his initial proposal, there do not appear to be significant changes in staffing for the various state agencies for services provided by PEGC members. In Caltrans, with a Capital Outlay Support (engineering and related services) budget of over 9,000 person-years, a reduction of about 200 PYs is proposed. DWR would add 100 positions and staffing changes in most other departments would be minimal. However, those figures could change during the spring, up to the date of the Governor's Proposed May Revision to the Budget.

PEGC will be working with the Administration, the Legislature, DPA, and other organizations to ensure that the need for Budget revisions is consistent with the needs of the state programs and the employees who provide the services.



Santiago Canyon College
8045 E. Chapman Avenue
Orange, California 92869
(714) 628-4883

Survey/Mapping and Project Management

www.sccollege.edu/survey
www.sccollege.edu/project

SPRING 2011 CLASSES

Survey/Mapping Sciences 118 and 119 are excellent preparation for those planning to take the State's LSIT (Land Surveyor-in-Training) or the LS (Land Surveyor) Exams. Spring classes meet January 24–May 22, unless otherwise stated.

Plane Surveying – SURV 118

History and careers in surveying. Introduction to survey measurements, distance, direction and elevations. Traverse computations and adjustment. Recording field measurements. Preparation for passing the land surveyor-in-training exam. Prior completion of Math 160 strongly recommended.

4 units

Instructor: Ed Capalaran
Tuesdays, 7:00 to 10:10 pm AND
six Saturday field labs 8:00 am to 4:30 pm
Section #40219

Introduction to Geographic Information Systems – SURV 150

Students will become skilled in the use of ESRI ArcView® geographic information systems while learning to manipulate and present project related data. Recommended preparation is familiarity with PC and Windows operating environment.

3 units

Instructor: Sergio Rodriguez
Wednesdays, 7:00 to 10:10 pm
Section #40227

Advanced Computer Aided Drafting for Surveyors – SURV 206

(Formerly Computer Aided Design Fundamentals for Surveyors.) Introduction to data collection and processing, coordinate geometry, and the generation of digital terrain models using survey design software. Specifically intended for students with land surveying training or experience. Prior completion of Survey/Mapping Sciences 119, 205 recommended.

3 units

Instructor: Greg Sebourn
Thursdays, 7:15 to 10:25 pm
Section #40229

Advanced Problems in Surveying II – SURV 222

Introduction to photogrammetry emphasizing concepts and calculations. Route surveying includes horizontal and vertical curves, volume calculations and construction staking. Prior completion of Survey/Mapping Sciences 119, Mathematics 160 recommended.

3 units

Instructor: Jeremy Evans
Mondays, 7:00 to 10:10 pm
Section #40217

Legal Aspects of Land Surveying II – SURV 230

Principals and techniques of boundary control, interpretation of land descriptions, voluntary and involuntary transfer of property, senior rights, simultaneous conveyances, sequential conveyances, and case law pertaining to boundary disputes. Prior completion of Survey/Mapping Sciences 229 recommended.

3 units

Instructor: Tom Propst
Thursdays, 7:00 to 10:10 pm
Section #40232

Principles of Project Management (beginning course) – PBLC 080

Utilizing project planning tools and techniques learn how to define, plan, execute and deliver projects of all types and sizes. Emphasizing practical application using case studies to organize, schedule and manage projects effectively.

3 units

Instructor: Barry McCarthy
Thursdays, 7:15 to 10:25 pm
Section #40208

Project Management: Microsoft Project® (hands-on software) – PBLC 082

Microsoft Project® software is used to plan, track, monitor and evaluate project deliverables to completion, within budget and on-time. Find exceptions, analyze and solve typical project and business problems. (Note: no class on Mar 24 or 31.)

1 unit

Instructor: Curt Childress
Thursdays, 5:00 to 7:10 pm
Section #40418
Feb 24–Apr 28

**Save the date: 6th annual TRIG★STAR Competition/Survey Challenge
Saturday, March 12, 2011. Cash prizes for high school and college participants.**

Spring classes begin the week of January 24, 2011. New students need to first apply to the college online at www.sccollege.edu. Students will be assigned a registration date via email. Register online for classes. Students are encouraged to register early. Classes fill up quickly. The cost for California residents is \$26 per unit (plus parking, health/student fees and texts). Enrollment fees must be paid in full within three days of registration or student will be dropped.

Survey/Mapping Sciences – Land Surveying Degree and Certificate of Achievement

The associate degree and certificate program in Survey/Mapping provides the student a thorough background in land surveying and mapping in addition to an introduction to collection, manipulation, formatting and mapping of geospatial data. The successful graduate of this program will have the technical expertise necessary for an entry level position in the fields of Geographic Information Systems, Land Surveying, and Digital Photogrammetry. The program also assists those students preparing for the State Land Surveyor-In-Training and Land Surveyor’s Exams. The State Board of Registration for Professional Engineers and Land Surveyors will grant one year of experience credit for students completing an Associate Degree in Survey/Mapping Sciences.

Major requirements for the associate degree and requirements for the certificate of achievement:

<u>Courses</u>	<u>Units</u>
118, Plane Surveying	4
119, Advanced Plane Surveying	4
205, Computer Aided Drafting Fundamentals for Land Surveyors	
OR	3
206, Advanced Computer Aided Drafting for Surveyors	
221, Advanced Problems in Surveying I	3
222, Advanced Problems in Surveying II	3
229, Legal Aspects of Land Surveying I	3
230, Legal Aspects of Land Surveying II	3
Public Works 080, Principles of Project Management	<u>3</u>
Total	26

Survey/Mapping Sciences – Land Surveying Technician Certificate

This certificate will introduce the student to the world of surveying and mapping. They will study the art and science of making, recording and mapping measurements using a variety of equipment and software. The student will also learn the fundamentals of Computer Aided Design (CAD) and gain knowledge in boundary determination and writing land descriptions. The successful graduate of this program will have the technical expertise necessary for an entry-level position with a land survey organization. In addition, the student will be ready (after meeting the necessary employment requirements) to take the State Land-Surveyor-in-Training examination.

Requirements for the certificate:

<u>Courses</u>	<u>Units</u>
118, Plane Surveying	4
119, Advanced Plane Surveying	4
205, Computer Aided Drafting Fundamentals for Land Surveyors	
OR	3
206, Advanced Computer Aided Drafting for Surveyors	
229, Legal Aspects of Land Surveying I	3
230, Legal Aspects of Land Surveying II	<u>3</u>
Total	17

- For Program Questions: call the BCTE division office (714) 628-4883
- For College Academic Counseling: ask for Rudy Carrion (714) 628-4800
- Registration Questions: call SCC Admissions & Records (714) 628-4901

3-Day Precise Digital Leveling Workshop

The Arizona Height Modernization Program (AZHMP) and Sahuaro Chapter of the Arizona Professional Land Surveyors (APLS) are sponsoring an NGS 3-day workshop on precise leveling using digital (bar-code) equipment.

Dates: 25 - 27 January 2011, 8:00 AM to 4:30 PM

Cost: Free (Note; Lunch, snacks, etc. will NOT be provided.)

Location: PSOMAS Land Survey and Mapping
800 E. Wetmore Rd. Suite #110
Tucson, AZ 85719

CEUs: Continuing Education Units will be granted through APLS

Instructors: Curt Smith, NGS Geodetic Advisor to Montana/Idaho and Dave Minkel, NGS Geodetic Advisor to Arizona

Synopsis: The workshop consists of classroom instruction and hands-on field exercises showing how to plan, perform, and process bar-code leveling observations suitable for submission to the National Geodetic Survey.

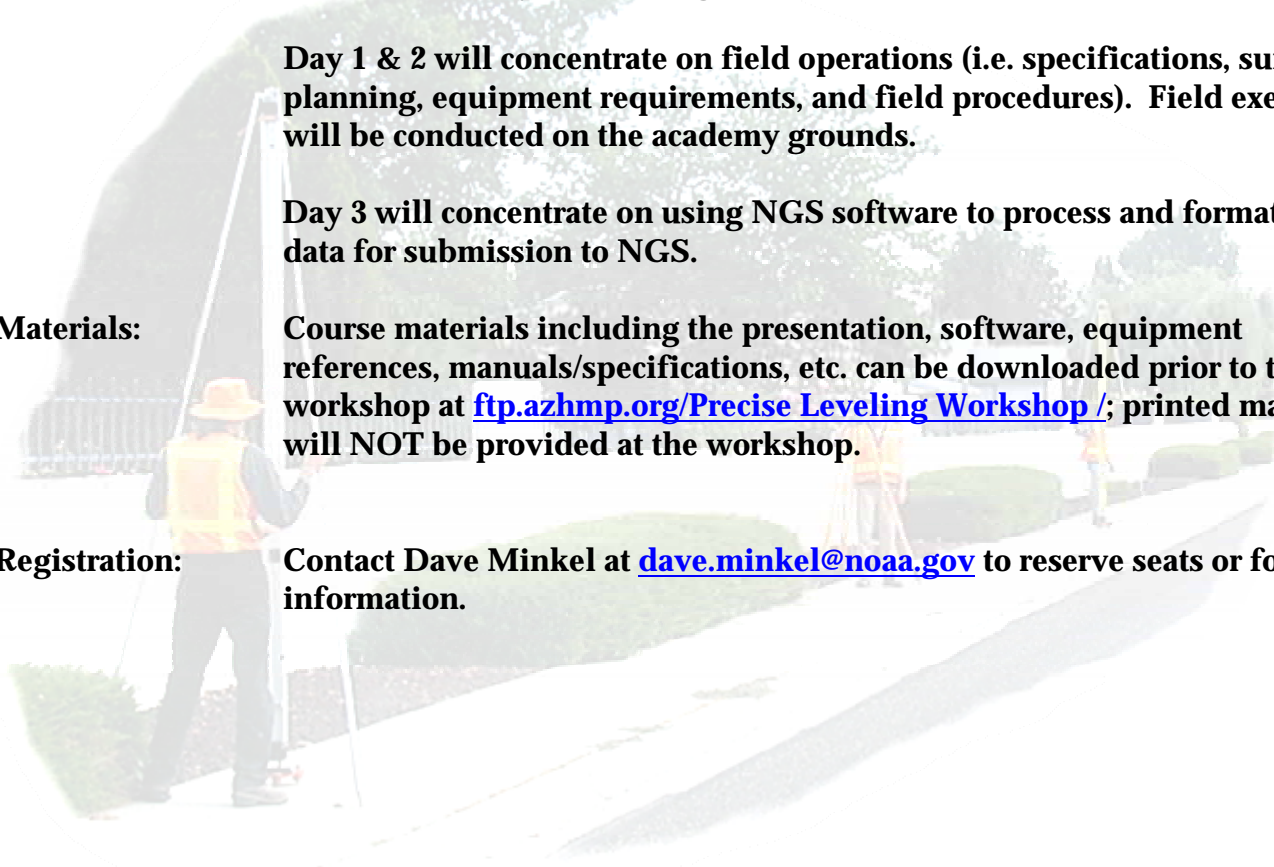
Note: the field procedures taught can be applied to all leveling to improve the precision of your leveling.

Day 1 & 2 will concentrate on field operations (i.e. specifications, survey planning, equipment requirements, and field procedures). Field exercises will be conducted on the academy grounds.

Day 3 will concentrate on using NGS software to process and format the data for submission to NGS.

Materials: Course materials including the presentation, software, equipment references, manuals/specifications, etc. can be downloaded prior to the workshop at [ftp.azhmp.org/Precise Leveling Workshop/](ftp://ftp.azhmp.org/Precise%20Leveling%20Workshop/); printed material will NOT be provided at the workshop.

Registration: Contact Dave Minkel at dave.minkel@noaa.gov to reserve seats or for more information.



CLSA-NALS

Conference 2011



March 5-9, 2011
Bally's Las Vegas, Las Vegas NV

Featuring:

- Continuing Education
- Scholarship Auction
- Exhibits



MARK YOUR CALENDAR



Registration Information available soon.
Please visit: www.californiasurveyors.org or www.nv-landsurveyors.org

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CLASSIFIED ADS

NOTE: Classified Advertising Policy

The Orange County Chapter's advertisements are \$50 per quarter, text only, full page width, limited to approximately 3 inches in height, using 12 point font. The ads will not only appear in the newsletter, but on the Orange County Chapter's website as well. To place or renew a classified advertisement, contact Richard Lopez at (949) 474-1960 x4377 or at richard@fuscoe.com

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FAX (949) 215-6301

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Geodimeter Southwest, Inc.

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Camarillo, CA 93012-4312



Phone (805) 388-0494
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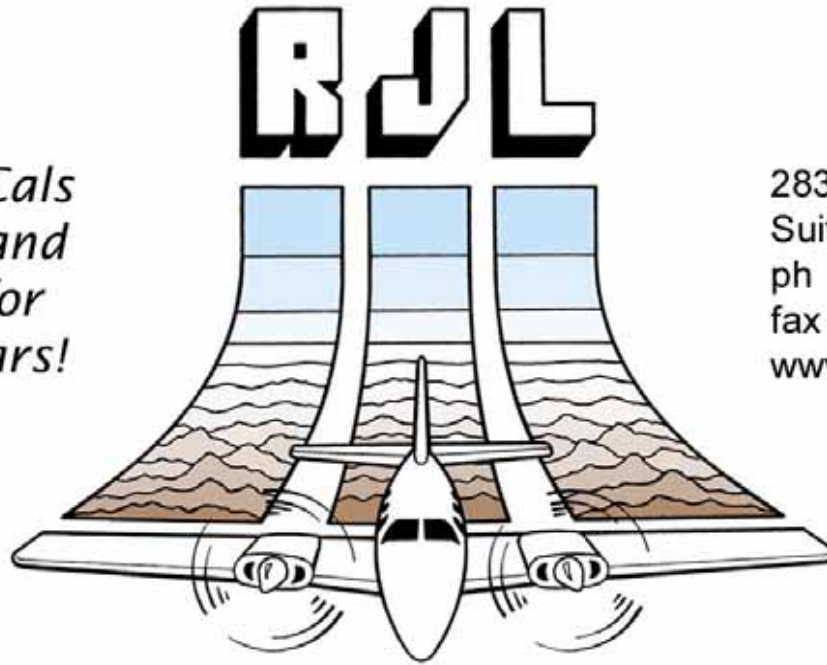
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