



California Fire Chief's Association



NOR-CAL FIRE PREVENTION OFFICERS Monthly Meeting

Hosted by the *Marin County Fire Prevention Officers*

- MEETING DATE:** *February 28, 2014*– Meeting begins at 9:30AM
Registration begins at 8:30AM
- LOCATION:** *Mill Valley Community Center, Cascade Room
180 Camino Alto
Mill Valley, CA 94941*
- REGISTRATION:** \$30.00 for members (NorCal FPO or CALBO)
\$35.00 for non-members
If you plan on attending, please, RSVP with your completed registration form and registration fee no later than **February 24, 2014** to secure your reservation.
- FOR ANY QUESTIONS:** *Jessica Power, 415-435-7207*
- MENU:** Banquet luncheon buffet
- AFTERNOON PROGRAM:** *3D Technologies for the Fire Prevention Officer, Investigator, and Life Safety Professional
(see description 2nd page)*

Make checks payable to: Northern California Fire Prevention Officers (NorCal FPO)
Register by mail: Nor Cal FPO, 950 Glenn Drive, Suite 150, Folsom, CA 95630
Register by fax: 916-233-1266
Register by phone: 916-442-0307
Register online: www.firepreventionofficers.org - On the home page toolbar, select the "Meetings & Events" menu, and click on "Calendar View." Navigate to the meeting date, click on the event, and register online.

_____ MasterCard _____ Visa _____ Check (Payable to NorCal FPO) Check# _____

Total amount: \$ _____ **[4140] General Membership Meeting**

Attendee: _____

Additional Attendees: _____

Company: _____

Phone: _____ Email: _____

Card #: _____ Exp. Date: _____ Security Code: _____

Card Billing Address: _____

City: _____ State: _____ Zip: _____

Name of Cardholder: _____

Signature: _____

Directions to the Mill Valley Community Center, 180 Camino Alto, Mill Valley

From South Bound 101:

Take the E Blithedale Ave Exit
Turn right onto E. Blithedale Ave
Turn Left onto Camino Alto
Take the 1st left

From North Bound 101:

Take the CA-131/ E Blithedale Ave Exit
Turn left onto CA-131
Continue onto E. Blithedale Ave
Turn Left onto Camino Alto
Take the 1st left

3D Technologies for the Fire Prevention Officer, Investigator, and Life Safety Professional

COURSE DESCRIPTION:

Course will include the benefits of forensic animations and related 3D technology for investigations, depositions, pre-trial hearings and court room case support. Class to include case review of material that has been successfully admitted into trial, used in past case development, test burns and explosions. Present and future capabilities related to 3D technologies including laser scanned documentation, conversion to auto CAD, direct input to computational fluid dynamic programs, i.e. Fire Dynamic Simulator and Wildland Fire Dynamic Simulator. The value of Building Information Modeling (BIM) and the ability to document in 3D for comparison of as built versus as designed. A brief discussion regarding what the future may hold in virtual, augmented, immersive realities and the immersing process of 3D printing perishable evidence.

- . Most up to date technology on 3D scene documentation, spatial preservation, animation and computational fluid dynamics.
- . Learn how a 3D computer model/animation can assist in reconstruction of scene/events.
- . See where current users have deployed the technologies and to what benefit.
- . Technology that is changing scene preservation and reconstruction.

Bio:

As Director of Fire and Explosion Services for Precision Simulations Inc., Kirk McKinzie CFI coordinates related case work while responding as a member of the Forensic Field Team. He has deployed on fatal explosions, large loss and complex fires, electrocutions, vehicle collisions, industrial accidents, and a corporal punishment case involving the fatal shooting of a Deputy Sheriff. His expertise in laser scan data capture, fire investigation, modeling and analysis provides 3D deliverables for civil and criminal litigations. His 26 years' experience as an emergency responder is instrumental when working with D.A.s, Public and Private Investigators, attorneys and human factors experts.