



# NORCAL REGIONAL MEETING:

## IN SITU TESTING USING DMT, SDMT AND SCPT

### FRIDAY, MARCH 6 | 10 AM - 3 PM

**REGISTER NOW**

**Members \$150**

**Non-Members \$300**

*Early Reg Ends February 20*

**1220 CONCORD AVE, STE 450. CONCORD, CA 94520 (HOSTED AT TERRACON OFFICE)**

10 AM – 12 PM – FLAT DILATOMETER AND SEISMIC DILATOMETER PRESENTATION

12 PM – 1 PM – LUNCH

1PM – 3 PM – FLAT DILATOMETER AND SEISMIC DILATOMETER PRESENTATION

*The aim of this workshop is to describe the Flat Dilatometer equipment (DMT) and further developments including the Seismic Dilatometer (SDMT), the automated Dilatometer Medusa (S)DMT and the combination with the main manufacturers' cones (SCPT). Comparisons of the results with other investigation tools in well documented research test sites.*

#### **Attend This Workshop to Learn:**

- Hardware, working principle, test procedures on land and offshore
- Testable soils, field readings and interpreted geotechnical parameters
- SDMT Pro software for acquisition and interpretation
- Applications to the geotechnical design including (but not limited to):
  - Settlement predictions (comparisons of DMT-predicted with measured settlements)
  - Moduli before-after soil improvement
  - Estimation of the liquefaction resistance CRR
  - Slip surface detection
  - P-y curves for laterally loaded piles
  - FEM input parameters from DMT results (ex Plaxis)



**ENG. DIEGO MARCHETTI**

**Director**

*Studio Prof. Marchetti*