



NACE
INTERNATIONAL

SAN FRANCISCO
SECTION

Please Join Us... October 11, 2016

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Date	Location
Tuesday, October 11th	Zio Fraedo's Restaurant 611 Gregory Lane, Pleasant Hill, CA. (925) 933-9091

Time: No Host Bar 5:30 pm • Dinner 6:30 pm • Program 7:15 pm
Cost: \$15 NACE members, NACE retirees, and students.
\$25 non-members

Please RSVP by Thursday, October 6th by email to Michelle Anderson at mlanderson@corrpro.com, or by phone at (510) 381-1414.

Cancellation deadline is Friday, October 7th.

Visit the Section Website at www.nace-sf.org and
the Western Area Conference 2016 Website at wac.nace.org

Fitness-for-Service Evaluation and Risk Assessment of Multiple Buried Campus Utilities Using a Composite Data Approach

Robert Hanlon

Project Manager, Corrpro, Hayward, CA.

Over the lifetime of a building campus, there may be many owners and operators all of whom have a different approach to building and maintaining infrastructure. When leaks or failures begin to occur on the buried utilities, the questions of where, how, and when next are often left unanswered. Due to multiple utility expansion projects throughout the history of a site, documentation of piping materials, coatings, and alignments are often discovered to be missing or were never recorded. In order to provide a targeted approach to future piping replacement, remediation, and additional utility expansions/tie-ins, a fitness-for-service evaluation and risk assessment must be generated. Corrpro utilized a combination of direct and indirect assessment techniques, interviews of operation and maintenance personnel, and analysis of historical data to outline risk of external corrosion failure. In this study, the assessment identified where future failures were likely to occur and which systems should be targeted for near-term replacement, offering value to the client during a major campus-wide renovation project.

Robert Hanlon is a native of Northeast Ohio who received a B.S. in Chemical and Environmental Engineering from the University of Toledo in 2011, while studying Chemistry and Environmental Science. Robert spent two years in a geological and soil science analytical lab while at U of T. After graduating, Robert worked for ABB as an automation/controls engineer and moved to The Bay Area. For two years he worked in the paper and pulp industry, and specialty chemicals before taking a position with Corrpro as a Corrosion Engineer. He is now the Engineering Team Lead and a Project Manager who has conducted several interesting projects, notably on stray current interference. Robert is pursuing his Masters in Civil Engineering specializing in Water and Wastewater Treatment. He enjoys learning and teaching, working on his car and motorcycle, and exploring the treasures of The Bay Area

NACE International – The Corrosion Society

Executive Offices: 1440 South Creek Drive -Houston, Texas 77084-4906

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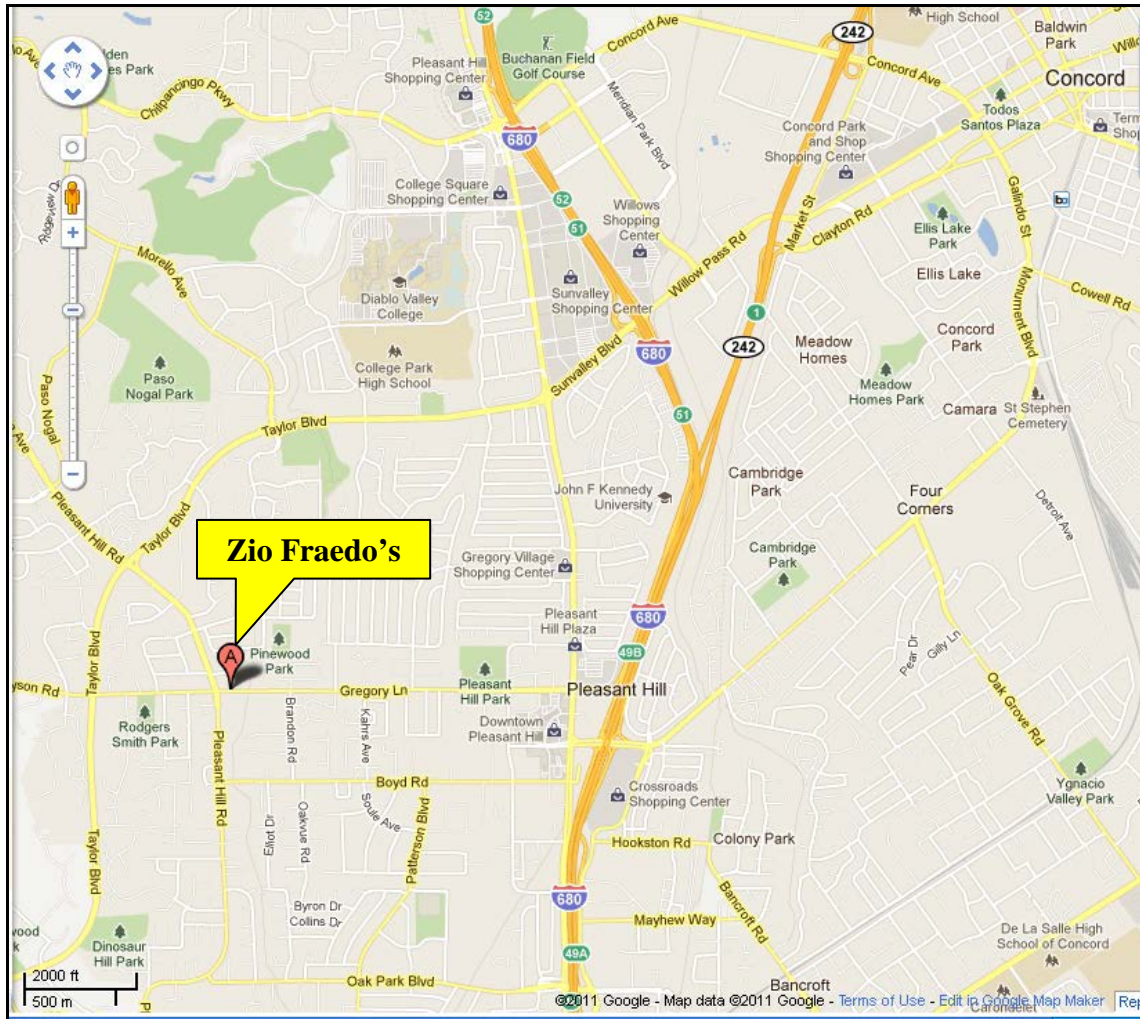
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San Francisco Bay Area Section Meeting Location and Directions



Zio Fraedo's Restaurant, 611 Gregory Lane, Pleasant Hill, CA. 925-933-9091

Directions

- Take I-680 north to Contra Costa Blvd. Exit 49A in Pleasant Hill and drive north. Pass Monument Blvd. then turn left onto Gregory Lane. Pass Brandon Rd. on left in 1 mile. Look for Zio Fraedo's on the right just before Pleasant Hill Rd.
- Take I-680 south, exit at Sun Valley/Willow Pass Rd. Drive west and turn left on Contra Costa Blvd., then right on Gregory Lane. After 1 mile drive past Brandon Rd. on the left; Zio Fraedo's will be on the right before Pleasant Hill Rd. intersection.