



San Francisco Bay Area Section



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**February 13, 2012, Meeting Notice**

Date	Location
<b>Monday, February 13th</b>	<b>Zio Fraedo's Restaurant</b> 611 Gregory Lane, Pleasant Hill, CA. (925) 933-9091

**Cost: \$15 NACE members \$25 non-members**

**Time:** 6:00 PM Hospitality • 7:00 PM Dinner • 8:00 PM Program  
Please RSVP by **Friday, February 10th** by e-mail to **Dan Day** at [danday94@pacbell.net](mailto:danday94@pacbell.net), or by phone at (510) 507-0013.

**Directions:** Please see Back Page attachment for map and directions.

**Combating Corrosion Under Insulation:  
Titanium Modified Inorganic Copolymer Technology**

**Presented by Russell Spotten**  
**West Regional Engineering Sales Manager, International Paint LLC**  
**and Devoe Coatings**

Corrosion under insulation (CUI) is an insidious and costly problem that has bedeviled industry at large, and the protective coatings industry in particular. An overview of a coating journey is presented, one of trauma to transcendence, where inadequate coating performance of coating types two decades ago have now transcended into present day technologies and strategies that are extremely effective in addressing CUI. Titanium Modified Inorganic Copolymer (TMIC) technology is described for both insulated and non-insulated applications systems, where TMIC is used in either a stand-alone mode or in conjunction with thermal spray aluminum (TSA). Laboratory testing is outlined that compares and contrasts the anticorrosive and temperature resistance performance profiles of today's most advanced coatings engineered to combat CUI. Insulated pipe spools exposed to temperatures up to 400°C were exposed to laboratory controlled wet-dry cyclic regimes in order to mimic typical cyclic CUI in-service environments. The impact of TMIC technology and its performance is evaluated from a risk management perspective to demonstrate its value to industry. Case histories are provided for the TMIC systems for both new construction and maintenance projects.

**Russell Spotten** has over 30 years of experience in the industrial coatings market and is currently the Engineering Sales Manager, West Region USA for International Paint LLC and Devoe Coatings. Russell has been an active member in NACE International since 1981; has previously served on the board of NACE Channels Islands Chapter, and is a NACE Certified Senior Corrosion Technologist and Protective Coatings Specialist (#6107). In addition, he is an individual member of both AWWA and SSPC, and has spoken at many national and regional conferences over the course of his career. Russell serves as a committee member for both AWWA D-102 and AWWA-C218, and is an active member of the AWWA Steel Water Pipe Manufacturers Technical Advisory Committee (SWPMTAC)



San Francisco Bay Area Section

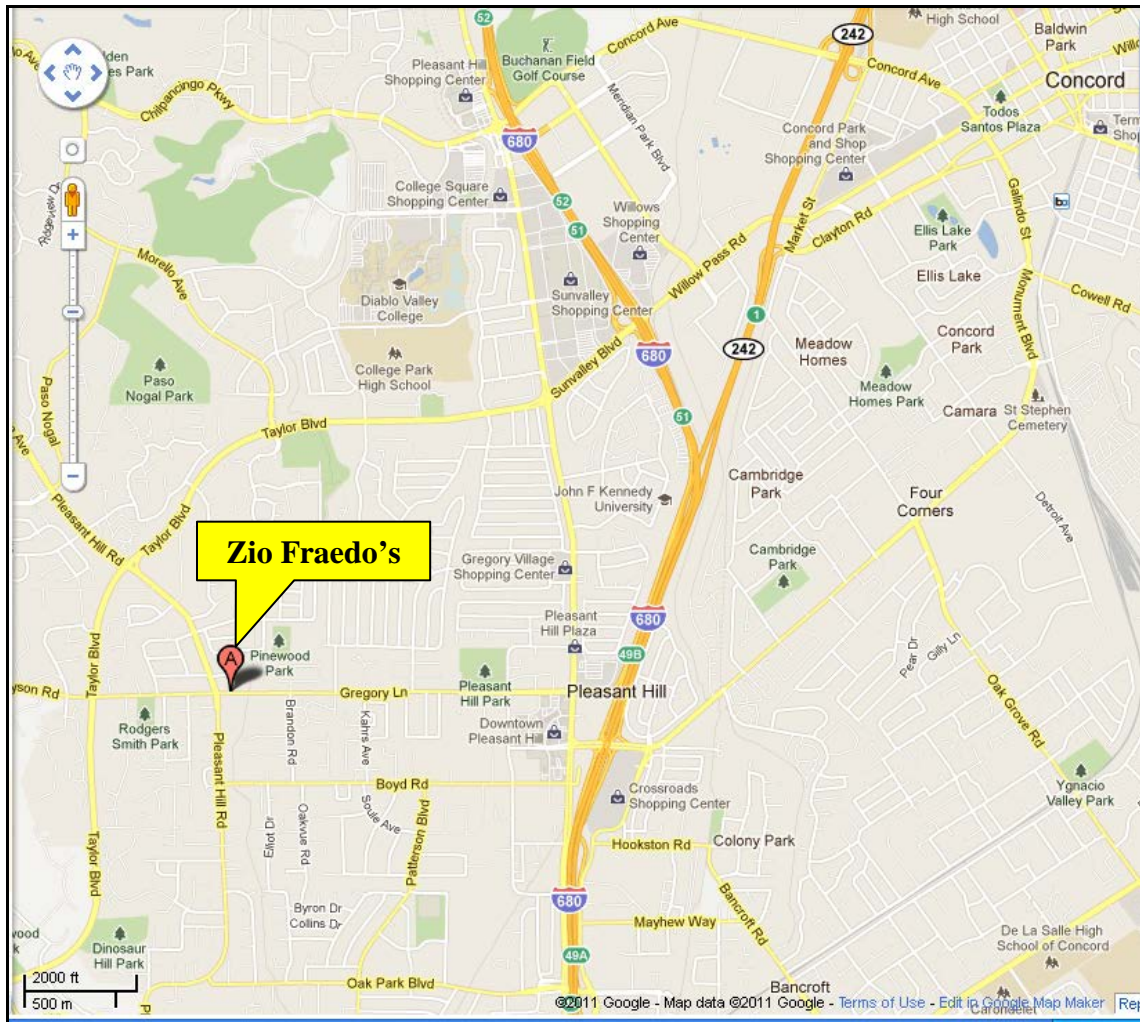


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**Zio Fraedo's Restaurant, 611 Gregory Lane, Pleasant Hill, CA. 925-933-9091**

**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.