



San Francisco Bay Area Section



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SECTION

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September 10, 2013, Meeting Notice

Date	Location
Tuesday, September 10th	Zio Fraedo's Restaurant 611 Gregory Lane, Pleasant Hill, CA. (925) 933-9091

**Cost: \$15 NACE members \$25 non-members
\$10 Students and Retirees**

Time: 5:30 PM No Host Bar • 7:00 PM Dinner • 7:45 PM Program
Please note: If you attend the No Host Bar you must pay the Dinner fee!
Please RSVP by **Friday, September 6th** by e-mail to **Michelle Anderson** at mlanderson@corrpro.com, or by phone at (510) 381-1414.

Directions and Map: Please see “Newsletter Back Page” attachment

Stray Current Corrosion

Presented by Mohammed Ali, P.E.

Principal Engineer, JDH Corrosion Consultants, Inc.

The presentation on stray current corrosion will briefly describe the mechanism of stray current corrosion and present several interesting case studies of recent suspected stray current corrosion problems experienced by local industries in the Bay area:

- **Ship Hull Corrosion:** A newly commissioned ship experienced severe hull corrosion and penetration of the hull at multiple locations. A bizarre case of neglecting corrosion engineering best practices!
- **Electronic Equipment Corrosion:** Stray current corrosion in the most unexpected area of a prototype circuit being built. The audience will appreciate the interesting problem and its solution.
- **Corrosion on a Submersible Pump in a Gold Mine:** An expensive pump failed in a matter of a few months due to corrosion.
- **Multiple Failures of a Pipeline in the Vicinity of a Cathodically Protected Gas Transmission Pipeline:** An obvious case of stray DC corrosion turned out to be not what one would expect.

Mohammed Ali is a corrosion engineer with over 35 years of diverse engineering experience. He is the current Chair of the NACE San Francisco Section, and a registered corrosion engineer and electrical engineer. Mohammed is a member of NACE and IEEE, a NACE accredited Corrosion and Cathodic Protection Specialist, and a NACE instructor for several courses.



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