

NACE International Gateway India Section cordially invites you to join

## **RAMESH NAGAR MEMORIAL VIRTUAL TECHNICAL LECTURES ON CATHODIC PROTECTION**

**Date:** 10<sup>th</sup> October 2020 (Saturday)

**Time:** 17.00 hrs to 19.00 hrs

**Cisco Webex link :** <https://naceindia.webex.com/naceindia/j.php?MTID=m5ca140e2bacd4a3f81d150eed2db9f5a>

**Meeting number:** 170236 9796

**Password:** nacecorrosion

### **Abstract: AC Interference Modeling and Mitigation Materials**

High Voltage AC Transmission lines can adversely influence pipelines that are collocated along the same right of way. This presentation will discuss key requirements of AC Modeling utilizing sophisticated software to analyze AC interference risks and design AC mitigation systems addressing high potential voltage conditions. AC modeling enables accurate analysis of grounding issues, electromagnetic fields, interference and various aspects of cathodic protection. This presentation will discuss AC interference modeling aids in determining safety risks and requirements for pipeline AC mitigation for Step and touch potential, Induced AC, shorted or fault conditions and AC corrosion.

### **About the Speaker: Mr. Shailesh Javia, MATCOR. Inc USA., Senior Estimating Manager**

An Electronics Engineer who has spent 27+ years focused solely on corrosion Engineering and Cathodic Protection Systems. He is Graduated from Amravati University in India with BE in Electronics Engineering. He has developed a strong expertise in the application of turnkey cathodic Protection and technical sales. In his career, he has developed a diverse portfolio designing CP systems and managing turnkey CP Projects for Cross country pipelines, Plants like Refineries, Fertilizers, Petrochemicals, Power etc Tank bottoms, Tank and vessel internal CP, City gas pipelines, Post commissioning Survey works and handled complex interference problems on cross country pipelines.

He has been certified as NACE CP 3, NACE Direct Assessment and has presented several papers international conferences. Receipt of NIGIS "Excellence in Corrosion Science and Technology in Oil and Gas" in 2016.

### **Abstract: Challenges in Corrosion control in City Gas Distribution**

City gas distribution networks are exposed to external damages caused by third parties and in many cases such external damages are the main cause for network failure. It is essential that a system is introduced which ensures maximum availability of the network with minimum disruption and damages to pipeline network. In CGD system lot of steel and MDPE pipelines are laid in limited area. Though length of MDPE pipelines are much more than steel pipelines, but all Natural Gas feeding underground pipelines are made up of steel and require adequate corrosion protection measures for un-interrupted natural gas supply to consumer which are large in numbers. This presentation will discuss the challenges which are specific to CGD Steel pipelines corrosion.

### **About the Speaker: Dr. Narendra Kumar, Executive Director, Torrent Gas, Lucknow (UP)**

Mr. Narendra Kumar is having around 40 years of experience related to City Gas Distribution, Oil & Gas and Fertilizers. Since last two years he is working as Executive Director in M/s Torrent Gas Pvt. Ltd. as UP State cluster head. Before joining TGPL, he has worked 28 years with GAIL including more than 3 years as Managing Director (MD) of Indraprasth Gas Ltd (IGL) New Delhi. He has been board member in three CGD companies i.e MNGL Pune, CUGL Kanpur, and BGL Hyderabad.

He has vast experience related to Projects and Operation & Maintenance of CGD industry and O&M operations as Executive Director at Corporate level at GAIL. He is a specialist in the field of Corrosion Control of underground pipelines and has formulated no of BIS and OISD Standards related to Cathodic Protection and Underground Pipeline Coatings. He has won number of awards in the field of corrosion control including NACE USA Distinguished Service Award for the Yr 2020, NACE India Meritorious Award 2011 as well as Corrosion Award 1998.

**Prior confirmation participation is mandatory, as we have limited space.**

**RSVP**

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