



# NEWS ALERT

## Cortec® Presents Six Papers at CORROSION 2016!



Cortec® joined corrosion experts from around the globe for NACE CORROSION 2016, the world's largest corrosion conference, which took place the week of March 6-10 in Vancouver, British Columbia. Despite discouragingly low oil prices, the event drew a large crowd of 5,200 people to examine corrosion issues. In addition to having good attendance at its booth, Cortec® was able to join the Technical and Research Symposia by presenting six papers on corrosion inhibiting technology during the corrosion summit:

- *“Improved Packaging Film Incorporating Vapor Phase Corrosion Inhibitors and High Recycle Content,”* co-authored by Boris Miksic, FNACE, and Robert Kean, Ph.D., highlighting the benefits of using in-house recycling to make VpCI® packaging film with greater efficiency and environmental stewardship.
- *“Vapor Phase Inhibitors in Functional Fluids”* by Boris Miksic, FNACE, Alla Furman, Robert Kean, Ph.D., Margarita Kharshan, and Liz Austin addressed and evaluated the addition of corrosion inhibitors to lubricants for prolonged machinery service life.
- *“Detecting Corrosion Inhibitor Migration Depth in Topically-Treated Concrete Using DART-MS,”* presented by Ming Shen and co-authored by Marek Domin and Mark Christianson, discussed penetration measurement of MCIs, which were found to migrate as deep as three inches into concrete during a 12 week test.
- *“Evaluation of Impressed Current Cathodically Protected API 650 Tank Bottoms in the Presence of Vapor Phase Corrosion Inhibitor”* was presented by Khalil Abed, Cortec® Middle East, and coauthored by Pankaj Panchal and Amish Gandhi. This demonstrated the effectiveness of using VpCI® to protect storage tank bottoms from soil-side corrosion. VpCI® was found to reduce corrosion by 82.5% when used independently and by 89.7% when used in conjunction with Impressed Current Cathodic Protection (ICCP).

*(Continued Page 2)*

Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for the Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001, and ISO 17025 Certified.



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(Continued from Page 1)

Two of the presentations were given by Dr. Behzad Bavarian from California State University:

- *“Influence of Crystalline Structure and Particle Size of Vapor Corrosion Inhibitor Powders on their Inhibiting Effectiveness”* has been a progressive study on the performance of nanoparticle corrosion inhibitors versus coarse corrosion inhibitors (coauthored by Babak Samimi and Lisa Reiner in conjunction with Boris Miksic, FNACE.)
- *“Improving the Controlled Humidity Protection Systems by Addition of Vapor Phase Corrosion Inhibitors,”* by Dr. Behzad Bavarian, Yashar Ikder, Babak Samimi, Lisa Reiner, and Boris Miksic, FNACE, demonstrated how adding VpCI® to Controlled Humidity Protection (CHP) environments is more effective for combatting corrosion, which can be triggered by very little moisture and oxygen in the presence of chlorides and other corrosive species.

Cortec® is pleased to have been a part of the exchange of knowledge and ideas at NACE CORROSION 2016. We remain committed to further research and development of Vapor phase Corrosion Inhibiting Technology, and look forward to discovering even more corrosion insights that can be shared in the years to come.



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