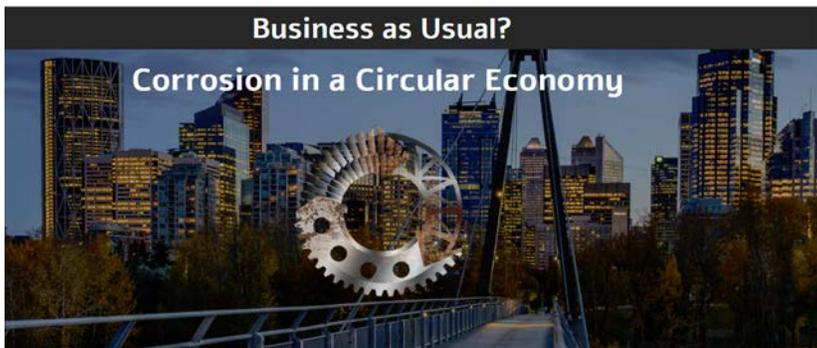
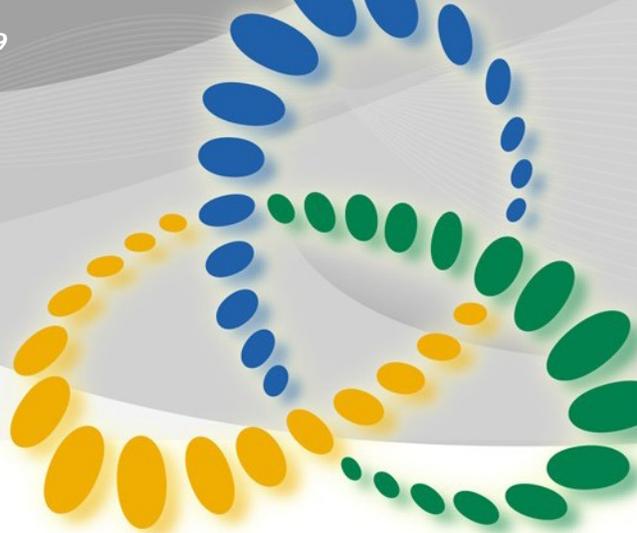


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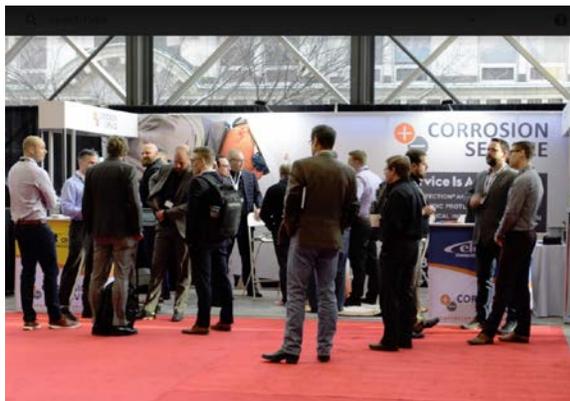
NEWS

News about corrosion and the corrosion industry produced three times a year for members of NACE International in the Calgary area.



Thank you to everyone who attended for a very successful Calgary Northern Area Western Conference!

Special thanks goes to our Sponsors and Exhibitors as this conference would not be possible without them.



The Northern Area Western conference brought together the corrosion community to explore and discuss the concepts of Materials Sustainability and Materials Stewardship within the Circular Economy as additional principles to consider within Corrosion Management best practices. The event was a spirited opportunity to learn, to explore and to network with colleagues. It included a thoughtful technical program and outstanding presentations from our keynote speakers. A link to the technical papers will be sent to conference attendees at the end of February.





Message from the Chair

It's cold. Actually, it's extremely cold. Calgarians have been battling unusually cold weather since the beginning of February... What have you been doing to keep yourself busy during this cold snap?

The NACE Calgary Section Executive members have been very busy, starting with the 2019 Northern Area Western Conference which was held at the Telus Convention Centre here in Calgary. Many of the members from our Section Executive and the Calgary Student Section volunteers, were instrumental in its success. This year's conference highlighted material sustainability and material stewardship through the Circular Economy and featured Brendon Rowen from Cradle to Circular Design Consultancy and Jeff Didas NACE International President who both delivered excellent keynote addresses.

During the conference, we had the opportunity to attend and participate in the Northern Area Board of Trustees meeting. There we discussed shared interests across the various Sections, including membership demographics, mentorship programs, course schedules, the new Canada email opt-in law and much more. NACE is only allowed to send emails to Canadian members who've agreed to receive messages. Remember to OPT-IN on your NACE Member Profile page!

The first ever technical luncheon on "Civil infrastructure" in January 2019 was successful in garnering participation from more than 40 people! The event and presentations were well received with significant interaction and discussion throughout.

The Section Executive, as always, continues to work hard to ensure our Calgary members obtain value from their NACE affiliations. Please also join us in acknowledging the great support of all of our event sponsors!

Laura Cardenas
Laura.cardenas@lr.org

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Recent Events

Civil Infrastructure – Material Sustainability and Corrosion Control, January 25, 2019

This is the first time we have ever organized a symposium on civil infrastructure that focused on bridge integrity and corrosion of reinforced steel in concrete. This is to show our commitments to not only pipeline industries in Western Canada, but also to other industries which are also influenced by the damaging effects of corrosion.

Presentation 1: Stuart Guest, Ph.D., P.Eng., Stantec - "Materials used in Infrastructure and Oil and Gas industries: Parallels and Lessons Learned".

Presentation 2: Gang Li, Ph.D. Candidate, University of Saskatchewan - "Computer-aided Assessment of Arch Rehabilitation Strategies for the University Bridge".

[Click here](#) to access event presentations.

Facility Integrity Management – Best Practices and Continuous Improvements November 16, 2018

More than 100 people participated in this all day symposium and feedback was very positive.

It included 5 technical presentations, lunch and a tradeshow. For those interested in learning more about the corrosion industry, a training course was offered in the morning.

The technical presentation session focused on pressure equipment, tanks and piping integrity management programs, including challenges, implementation, in-service inspection, repairs, investigation, best practices and continuous improvements suggested for facility integrity programs.

[Click here](#) to access event presentations.

Upcoming Events

Pipeline Geohazards Risk Management

Don't miss this interesting and informative lunch and learn with two great presentations.

Presentation 1: Geohazard Management for Pipeline Construction and Operation - Bill Liu, P.Eng. PhD., TransCanada

Presentation 2: Geohazard Risk Management for Operating Pipelines - Sarah Newton, BGC Engineering

March 11, 2019, Calgary Petroleum Club

[Click here](#) for more information and to register.

Courses*

- **CP3 - Cathodic Protection Technologist**
February 25-March 3, 2019 - Edmonton
- **Internal Corrosion for Pipelines - Basic**
April 29-May 3, 2019 - Calgary

Save the date...

Lunch and Learn: Calgary, April 12, 2019 (Friday)

Full day symposium: Medicine Hat, May 30, 2019 (Thursday)

Speed Networking a big hit!
NACE Calgary ran another very successful speed-networking event at Craft Beer Market in January.

This has turned out to be a very popular event, with approximately 36 people pushing themselves a bit outside their comfort zone to converse with others they've never met within a casual and comfortable environment.

By the end of the evening, conversations are flowing so easily it's hard to keep it to the six minute per table time limit! Try it out next time: meet some industry counterparts in other facets of the business, and have a fun evening out!



The University of Calgary's Petroleum and Energy Society (PES) is a non-profit organization (SU Club) run by students for the sole purpose of helping develop skilled, knowledgeable, and connected students interested in the Energy industry.

Each year, PES hosts an annual Fall Industry Mixer! The Mixer is a networking event that provides students the opportunity to interact face-to-face with industry members in a fun and relaxed environment. The event is open to everyone. No memberships are required to register.



This year some of our NACE Student Section members represented NACE Calgary at this event: (Left to Right) Kingsley Mbha, Shan Qian, Yao Yang, and Jialin.

Recent Student Events

November 21 Pizza and Presentation

Introduction to Non-Destructive Testing Technique

38 students and young professionals learned about non-destructive testing with speaker Michael Zhou from IRISNDT and YPAC (Young Pipeliner's Association).

January 17 Pizza and Presentation

The future of in-line inspection: free-floating smart sensors

Our largest event yet with 41 students and young professionals who learned about advanced sensing technologies with John van Pol, CEO, Ingu Solutions Inc.

Sponsor Spotlight

Sponsorships help us to achieve our goals and to serve our members. In this and future issues, we would like to introduce you to the Annual Sponsors who assist us with our budget planning, including our Annual Social Event, Technical Program events, and networking/education programs with SAIT and the University of Calgary. This newsletter profiles Gold Sponsor Pipetech Corporation...



Innovation . Integrity . Optimization

Keeping Pipelines & Communities Safe

Pipetech Corporation is a privately owned company established in 1987 providing the tools, technology and expertise to ensure the profitability and safety of pipelines.

Pipetech is a pioneer in the evolution of conventional pigging, creating unique products that offer optimum sealing and scraping properties. The broad spectrum of field experience and knowledge within our technical team make Pipetech a valued partner with companies around the world who have come to trust Pipetech to help ensure the integrity of their pipelines while optimizing flow rates. Ensuring the safety and efficiency of a pipeline is about more than putting a pig in a pipeline which is why our broad range of high-quality products is continuously evolving to keep pace with customer needs and changes in the industry.

Products

- One Piece Pigs
- Replaceable Component Pigs
- Bi-Directional Pigs
- Brush Pigs
- Mandrel/Body Pigs
- Batching Pigs
- Gauging Pigs
- Pig Valve Pigs
- Pigs for Non-Metallic Pipelines
- Meter Prover Spheres
- Foam Pigs
- Pig Signalers
- Pig Location & Tracking Equipment
- Flange Isolation Gaskets/Kits
- Casing spacers
- Monolithic Joints

Our Markets are Oil and Gas/Energy, Construction/Infrastructure, and Food.

Annual Sponsors

NACE Calgary offers Annual Sponsorships at the Gold, Silver and Bronze levels. For more information on these sponsorships, contact Craig Ball, bcraig@pipetechcorporation.com or phone (403) 303-287-3558. You can also click here to visit the sponsorship page on our website.

Event sponsors

We also appreciate and are grateful for all the businesses and organizations that support the cost of our events during the year, including seminars, training and networking opportunities for people who are involved in corrosion prevention and control.



[Download Report](#)

NACE International's new Spotlight on Corrosion Report identifies a prevalent corrosion threat to national assets and infrastructure and provides timely, actionable solutions to reduce corrosion risks and costs.

Based on input from 1,300 of corrosion professionals, the report examines the dangers of aging water infrastructure as a pressing, costly, yet resolvable threat to public health, and recommends a Corrosion

Management System (CMS) as an immediate solution for water utilities and municipal systems. NACE membership has a unique point of view regarding threats facing global infrastructure and considers preventing a public health crisis like the one in Flint, Michigan as a critical priority.

Points highlighted in the report include:

- Drinking water pipelines and systems are nearing the end of their useful life.
- In some cases, if left unchecked, the corrosion of water systems will lead to widespread health crises.
- Waiting until repairs are necessary is far costlier than preventing corrosion from occurring.

The direct cost of corrosion in U.S. drinking water and sewer systems is \$80 billion* annually, which includes costs such as replacing aging infrastructure, but does not include indirect costs such as water shortages or contamination and associated medical care.

Though corrosion management solutions for water treatment systems exist, there are a growing number of communities nationwide that do not adequately implement optimal corrosion control practices into their systems. The Spotlight Report is a valuable tool for initiating an important conversation in communities nationwide about preventing the imminent threat corrosion poses to public health through infrastructure investment. The report is also designed to equip water treatment professionals and asset owners of systems of all sizes with the information they need to help identify and solve the root cause of corrosion within their systems.

The Spotlight on Corrosion Report was guided and reviewed by a Task Force of five NACE International Fellows – a group of technical and professional experts recognized for their distinguished contributions in the field of corrosion and its prevention. Calgary's Dr. Frank Cheng, FNACE Professor and Canada Research Chair, University of Calgary, was a member of the Task Force. [Click here](#) to download the full report.

Thanks to all our annual sponsors

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NACE News is produced three times a year by the Executive Committee of NACE Calgary Section.

[Click here](#) to provide feedback, and/or to submit an article or a story idea.