



ARPEL ASME® 2021 IPG

International Pipeline
Geotechnical Conference

CONFERENCE
June 21–22, 2021

Online

PIPELINE GEOTECHNICS: ADAPTING TO CHANGE FOR A NEW DIGITAL WORLD

PROGRAM

Please note times are in GMT -3

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Monday, June 21 | Conference

09:00 - 09:15 am

Opening remarks

Irene Alfaro, ARPEL Downstream Director
Tom Costabile, ASME Executive Director

09:15 - 10:00 am

Keynote Speech “Integrated disaster management of technological risks associated with geohazard impacts on pipelines”

Ana María Cruz Naranjo | PhD, KYOTO UNIVERSITY
Moderator: : Dario Zapata (ENBRIDGE), Martín Carnicero (TGN)

Geohazard considerations for design and construction

Chairs: Dimas Robles - SIGNUM / Leandro Ivorra - YPF / Mike Leach – BGC Engineering

10:00 - 10:25 am

Pipeline geohazard target susceptibility threshold – a reliability-based rationalization

Paper 65935. Author: Rodney Read (RSREAD CONSULTING INC.)

10:25 - 11:00 am

Virtual networking break

Geohazard risk assessment and pipeline integrity management planning

Chairs: Jaime Aristizabal - CENIT / John Malpartida - COGA / José Vicente Amórtegui - Escuela Colombiana de Ingeniería

11:00 - 11:25 am

Integrity-focused geohazards management for pipelines

Paper 72959. Author: Yong-Yi Wang (CENTER FOR RELIABLE ENERGY SYSTEMS)

11:25 - 11:50 am

Risk areas zoning using a new 3D seismic refraction technique in the gas pipeline Right-of Way of a gas and condensed field in the Peruvian Jungle

Paper 65004. Presents: Nereyda Luque Garcia (REPSOL)

11:50 am - 12:15 pm

The Contribution of In-Line IMU Inspection to Geohazard and Crack Management Strategies

Paper 65436. Presents: Andrew Wilde, Andy Young (ROSEN)

12:15 - 2:00 pm

Virtual networking break

2:00 - 2:25 pm

Challenges Related to Pipeline Free Spans in Watercourse Crossings

Paper 65070. Author: Gerald Ferris (BGC ENGINEERING)

2:25 - 2:50 pm

Supervised Learning Algorithms Applied in the Zoning of Susceptibility by Hydroclimatological Geohazards

Paper 65003. Author: Jaime Aristizabal (CENIT)

2:50 - 3:15 pm	Real Time Rainfall Monitoring for Pipeline Geohazards Paper 63162. Author: Gerald Ferris (BGC ENGINEERING)
3:15 - 4:00 pm	Virtual networking break
4:00 - 4:25 pm	EPGEO-ARPEL Latin America Project: Development of technical guidelines for geohazard monitoring and control works in pipelines Paper 65014. Presents: Leandro Ivorra (YPF)
4:25 - 4:50 pm	Geotechnical risk management system - success story in the maintenance of rights of way in the Peruvian Jungle Paper 64777. Presents: Cristian Campos, Claudio Cruz (INMAC)
4:50 - 5:15 pm	Practical cases: geohazards on ROW Generated by third party damage Paper 65012. Presents: Christian Rosario, Alberto Melo (COGA)

Tuesday, June 22 | Conference

9:00 - 9:45 pm	Keynote Speech “Digital transformation in the management of structural evolution of pipelines due to external loads due to geohazards” Nigel Curson, Camilo TorresIPENSPEN Moderator: Jaime Aristizábal (CENIT) / Rafael Mora (ASME)
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Monitoring, mitigation and emergency repairs

Chairs: Francisco Oliveros - COGA / Dario Zapata - ENBRIDGE / Hudson Regis - TRANSPETRO

9:45 - 10:10 am	Distributed temperature sensing for erosion detection and DOC estimation: The Peru LNG experience in Ayacucho and Ica Departments Paper 64159. Author: Fabien Ravet (OMNISENS)
10:10 - 10:35 am	Towards a structured execution of the integrity and maintenance of hydrocarbon transport systems - emphasis on geohazards Paper 65451. Author: Julián Cháves (CENIT)
10:35 - 11:00 am	Virtual networking break
11:00 - 11:25 pm	Geo Hydrodynamic Risk Management: Villano-Baeza Pipeline System Trabajo 64909. Author: Fabian Vasconez (PLUSPETROL)
11:25 - 11:50 pm	Natech Risk Assessment and Control Through Innovative Risk Reduction Measures – Pipeline / Landslide Interaction Case Paper 65010. Author: Jaime Aristizabal (CENIT)
11:50 - 2:00 pm	Virtual networking break
2:00 - 2:25 pm	Retrofitting existing optical fiber infrastructure to mitigate geohazard risk: the TGP case Paper 64796. Author: Fabien Ravet (OMNISENS)
2:25 - 2:50 pm	Remote geotechnical evaluation of rights of way of hydrocarbon transmission lines Paper 65453. Author: José Vicente Amortegui (Escuela Colombiana de Ingeniería)
2:50 - 3:20 pm	Virtual networking break
3:20 - 5:00 pm	Plenary panel: Hydrogen transportation Introduction: José Luis Lanziani Panelists: 1) DNV Norte America, Jason Goodhand 2) The Transition Accelerator, David Layzell 3) PRCI, Cliff Johnson Moderators: José Vicente Amórtegui (Escuela Colombiana de Ingeniería) / Rafael Mora (ASME) / Dimas Robles (SIGNUM)
5:00 - 5:10 pm	Closing remarks Irene Alfaro, ARPEL Downstream Director