














6TH INTERNATIONAL PIPELINE GEOTECHNICAL CONFERENCE

November 23rd

8:00 a.m. a 8:40 a.m.	Opening	
KEYNOTE SPEAKER		
8:40 a.m. a 9:25 a.m.	International perspective of pipeline geotechnical advances and future challenges <i>Jim Oswell. Naviq Consulting Inc. Canada</i>	
PRESENTATIONS		
<i>Track 1: Management of natural threats associated with the design and construction of transportation pipelines</i>		
9:25 a.m. a 9:55 m.	IPG2023-0023: Environmental monitoring and pipeline erosion detection <i>Fabien Ravet. Suiza.</i>	
9:55 a.m. a 10:25 a.m.	IPG2023-0035: Finite element models for pipeline design in the face of geotechnical instability processes and impact forces <i>Johan Camilo Garzón Cubides. Colombia</i>	
10:25 a.m. a 11:00 a.m.	<i>Coffee Break</i>	
11:00 a.m. a 11:30 a.m.	IPG2023-0042: Geohazard assessment incorporating legacy studies - lessons learned <i>Sherif Soliman. Canada</i>	
<i>Track 2: Analysis and evaluation of risks due to geohazards and their planning in pipeline integrity management</i>		
PRESENTATIONS		
11:30 a.m. a 12:00 m.	IPG2023-0003: Structural integrity management in hydrocarbon transportation pipelines based on soil-pipe interaction, Ocesa application case, Colombia. <i>Manuel Botía. Colombia</i>	
12:00 m. a 1:00 p.m.	<i>Lunch</i>	
1:00 p.m. a 1:30 p.m.	IPG2023-0019: Risk assessment and cost-benefit analysis for pipelines buried in slow-moving landslides <i>Michael Porter. Canada</i>	
1:30 p.m. a 2:00 p.m.	IPG2023-0020: Load vectors in imperceptible geotechnical threat zones based on multi-year inertial mapping and surface monitoring <i>Oscar Jahir Gualdrón. Colombia</i>	
KEYNOTE SPEAKER		
2:00 p.m. a 2:45 p.m.	Management of hydrotechnical threats on transportation pipelines at water crossings <i>Martín Carnicero. Senior Geohazard Engineer at Transportadora de gas del Norte - TGN. Argentina.</i>	
PRESENTATIONS		
2:45 p.m. a 3:15 p.m.	IPG2023-0013: Numerical model for soil-pipe interaction buried in KP 138+176 at the Crudos Pesados Pipeline <i>René Oswaldo Tipán Acevedo. Ecuador</i>	
3:15 p.m. a 3:45 p.m.	IPG2023-0029: Update of the susceptibility map due to mass movements of the corridor at the Oleoducto Central (OCENSA) <i>Oscar Correa Calle. Colombia</i>	
3:45 p.m. a 4:15 p.m.	<i>Coffee Break</i>	
4:15 p.m. a 4:45 p.m.	IPG2023-0005: Geotechnical inspection using data collection form <i>Gilberto Hernandes. Brasil</i>	
4:45 p.m. a 5:15 p.m.	IPG2023-0009: Technology as a tool for efficiency: implementation of the CPROW data logger application at OCP Ecuador S.A. Ivonne Vinocuna Macías. Ecuador	
5:15 p.m. a 5:45 p.m.	IPG2023-0016: Implementation of a centralized data platform and application development for field inspection in geohazard management <i>Marcos Mecatti. Perú</i>	
5:45 p.m.	<i>Cocktail offered by ROSEN</i>	

November 24th

Track 2: Analysis and evaluation of risks due to geohazards and their planning in pipeline integrity management

KEYNOTE SPEAKER

8:00 a.m. a
8:45 a.m.

Methodical approach to climate resilience applied to hydrocarbon transportation

Gloria E. León A. Canal Clima. Colombia



PRESENTATIONS

8:45 a.m. a
9:15 a.m.

IPG2023-0024: Considerations for an integrated system incorporating predictive models for geohazard management

Rodney S. Read. Canada



9:15 a.m. a
9:45 a.m.

IPG2023-0030: Estimation of maximum daily rainfall as support for the comprehensive management of the threat due to climate and external forces.

Jorge Vélez. Colombia



9:45 a.m. -
10:15 a.m.

Coffee Break

10:15 a.m. a
10:45 a.m.

IPG2023-0045: Predictive schemes in the management of geohazards of hydro-climatological origin

Jaime Aristizabal. Colombia



10:45 a.m. a
11:15 a.m.

IPG2023-0031: Approximate numerical method to evaluate pipelines in sites with geotechnical instability problems

Paola Murcia Dávila. Colombia



11:15 a.m. a
12:00 m.

IPG2023-0038: Prioritization criteria for debris flow engineering works to protect pipelines in the Brazilian Serra do mar region, São Paulo

Pedro Victor Serra Mascarenhas. Brasil



12:00 m. a
1:00 p.m.

Lunch

Track 3: Implementation of monitoring, geohazard mitigation and performance management

1:00 p.m. a
1:30 p.m.

IPG2023-0055: Risks and use of real-time immersive technology in pipeline transportation systems from a regulator's perspective

Edilberto Gutierrez Ortiz. Perú



1:30 p.m. a
2:00 p.m.

IPG2023-0058: Inspection alert for geotechnical risk due to rainfall on rights of way in the Peruvian jungle

Claudio Cruz. Perú



2:00 p.m. a
2:30 p.m.

IPG2023-0039: Advances in geotechnical monitoring of gas pipelines: application of drones for efficient and safe management

Daniel Fernando Amarillo Soto. Colombia



2:30 p.m. a
3:00 p.m.

IPG2023-0022: Geohazard prevention system with communication optical fiber cables

Alberto Melo. Suiza



3:00 p.m. a
3:30 p.m.

Coffee Break

3:30 p.m. a
4:00 p.m.

IPG2023-0047: Decision making and mitigation actions in the interaction of pipelines with road infrastructure

Jaime Aristizabal. Colombia



4:00 p.m. a
4:30 p.m.

IPG2023-0052: An integrated decision-making process in emergency conditions due to geohazards – a study case

Carlos Pedraza. Colombia



PANEL DISCUSSION

4:30 p.m. a
6:00 p.m.

Management of third-party interference with Geohazards affecting the integrity of pipelines, OCENSA, ODL, TGP, TRANSPETRO

6:00 p.m. a
6:30 pm

Awards & Closing