



ASME 2017 IPG

International Pipeline Geotechnical Conference

July 24, 2017
Pre-Conference Courses

July 25-26, 2017
Conference and Exhibition

Los Delfines
Hotel & Convention Center,
Lima, Peru.



Preliminary Program

Monday, July 24 - Pre-Conference Courses

08:00 a.m.	Check in for courses
09:00 a.m. - 05:00 p.m.	Soil Mechanics for Stress Analysis and Pipeline Design › Presented by: Dr. Jim Oswell, Ph.D., P.Eng. - Manitoba University
09:00 a.m. - 01:00 p.m.	Forces of Nature in Pipelines Integrity Management › Presented by: Hugo García G., Civil Engineer. Master in Geotechnics - ARPEL
01:00 p.m. - 02:00 p.m.	Lunch
02:00 p.m. - 06:00 p.m.	Applications of LiDAR for Geohazard Inventory and Characterization › Presented by: Gerry Ferris, P.Eng., and Tara Coultish, P. Geo. - BGC Engineering

Tuesday, July 25 - Conference

07:00 a.m. - 08:30 a.m.	Participants' registration
08:30 a.m. - 08:35 a.m.	Safety brief
08:35 a.m. - 09:45 a.m.	Keynote Addresses › Manuel García Civil Eng., MScE. - Universidad Nacional de Colombia <i>Moderator: Irene Alfaro Director of Downstream - ARPEL</i> › Cliff Johnson President - Pipeline Research Council International <i>Moderator: Moness Rizkalla Senator Pipeline Systems Division - ASME</i>
09:45 a.m. - 10:20 a.m.	Coffee Break and Opening of Exhibit Area
Chairs: Francisco Oliveros - COGA / Dimas Robles - SIGNUM	
10:20 a.m. - 10:40 a.m.	Development of detailed right-of-way quantities and footprint for pipelines traversing mountainous terrain › Paper author: Sherif Soliman
10:40 a.m. - 11:00 a.m.	Framing uncertainty in pipeline geohazard assessment for integrity management and interactive risk assessment › Paper author: Rodney Read
11:00 a.m. - 11:20 a.m.	Probabilistic approach to the assessment of climate and external forces threats using Bayesian Networks › Paper author: Julian Chaves Agudelo
11:20 a.m. - 11:40 a.m.	Pipeline failure probability from geohazard loading › Paper author: David Simpson
11:40 a.m. - 12:00 p.m.	Risk assessment of hydrocarbons transportation pipelines before natural hazards › Paper author: J. Vicente Amórtegui Guil
12:00 p.m. - 12:20 p.m.	Management of geohazards caused by the impact of new infrastructure projects in shared rights-of-way › Paper author: Jaime Aristizábal Ceballos
12:20 p.m. - 12:40 p.m.	Impact in the OCENSA oil pipeline due to the construction of road embankment over soft soil. Case Study › Paper author: Julian Corrales
12:40 p.m. - 02:00 p.m.	LUNCH

Tuesday, July 25 - Conference (Cont.)

Chair: Jaime Aristizábal - CENIT / Julián Cháves - CENIT

02:00 p.m. - 02:20 p.m.	<i>River crossing: evaluation of meander migration as an integrity hazard</i> › Paper author: Martin Carnicero
02:20 p.m. - 02:40 p.m.	<i>Development of risk-based inspection methodology in river crossings</i> › Paper author: Eduardo L. de Paula
02:40 p.m. - 03:00 p.m.	<i>Application of geotechnical criteria before the occurrence of material flows (huaycos) over the RoW of the Camisea pipeline transportation in the coastal area of Peru</i> › Paper author: Francisco Oliveros
03:00 p.m. - 03:20 p.m.	<i>Applicability of studies in the OCENSA on the dynamic behavior of an offshore pieplien over seabed going through liquefaction process</i> › Paper author: Alejandro Marin
03:20 p.m. - 03:50 p.m.	Coffee Break

Chair: Fernando Velázquez - COGA / Leandro Ivorra - YPF

03:50 p.m. - 04:10 p.m.	<i>Seismic monitoring data application for trunk pipeline safe operation</i> › Speaker: Ivan Yu Lobodenko
04:10 p.m. - 04:30 p.m.	<i>Analysis of rain influence in the stability of the right of way in relation to the historic weather conditions</i> › Paper author: Julian Chaves Agudelo
04:30 p.m. - 04:50 p.m.	<i>An initial approach for pluviometric monitoring along rows</i> › Paper author: Marcelo J. Langone
04:50 p.m. - 05:10 p.m.	<i>Recognising the influence of landslide transition zones in the assessment of pipeline integrity</i> › Paper author: Matthew Laing
05:10 p.m. - 05:30 p.m.	<i>Good practices for the excavation of reliefs of pressure by geotechnical movements in the OCENSA pipeline</i> › Paper author: Andrés Ocampo

Wednesday, July 26 - Conference

08:30 a.m. - 09:00 a.m. **Participants' registration**

Chairs: John Malpartida - COGA / Hudson Regis - PETROBRAS

09:00 a.m. - 09:20 a.m. ***Oil pipelines structural integrity management based in monitoring ground failure with low deformation rates. Case study***

› Paper author: Jaime Aristizábal Ceballos

09:20 a.m. - 09:40 a.m. ***Proactive approaches to geohazard management***

› Paper author: Héctor Suárez

09:40 a.m. - 10:00 a.m. ***Analysis and intervention of pressure reliefs by landslides longitudinal to the pipeline KM 35+580 OCENSA case***

› Paper author: Andrés Ocampo

10:00 a.m. - 10:20 a.m. ***The influence of time in the threat of climate and external forces associated with mass movements for the integrity management of hydrocarbons transportation lines***

› Paper author: Henry Osorio

10:20 a.m. - 10:50 a.m. ***Coffee Break***

Chairs: Hugo García - OCENSA / Leandro Ivorra - YPF

10:50 a.m. - 11:10 a.m. ***ARPEL/EPGEO - Regional Geotechnics Project: Good practices in pipeline integrity management to face geohazards***

› Paper author: Jaime Aristizábal Ceballos

11:10 a.m. - 11:30 a.m. ***A decade of pipeline geotechnical monitoring using distributed fiber optic monitoring technology***

› Paper author: Fabien Ravet

11:30 a.m. - 11:50 a.m. ***Pipeline monitoring through geotechnical fiber optic***

› Paper author: Christian Silva

11:50 a.m. - 12:10 p.m. ***Case of geotechnical instrumentation of pipelines in unstable areas, real-time reading and its development in areas with no communication***

› Paper author: Dimas Robles Robles

12:10 p.m. - 12:30 p.m. ***Evolution and monitoring of geotechnical hazards using UAV based digital photogrammetry***

› Paper author: Rafael Prieto

12:30 p.m. - 02:00 p.m. ***Lunch***

02:00 p.m. - 03:30 p.m. ***Plenary panel***

03:30 p.m. - 04:00 p.m. ***Coffee Break***

04:00 p.m. - 05:30 p.m. ***Plenary panel***

05:30 p.m. - 06:00 p.m. ***Closing remarks***

› Giancarlo Massuco | President - IPG 2017

› Moness Rizkalla | Vice President - IPG 2017