

## List of speakers

### Landslide Scientific Assessment Conference (2024): Slope Dynamics (Mechanisms, Deterioration, Triggers, and Failure)



Dear,

Scientific, academic, and professional colleagues,

Warm regards,

We are pleased to present the distinguished speakers from the “Landslide Scientific Assessment Conference: Slope Dynamics (Mechanisms, Deterioration, Triggers, and Failure).”

Date: October 15-17, 2024 (Open, online and free).

We extend our heartfelt thanks to the esteemed international researchers who showcased their cutting-edge findings, published in top-tier scientific journals across the globe.

You can explore the full presentations at <https://youtube.com/@landscient> and discover more details about the event at <https://landscient.com/conference/>

Blessings,

Organizing Committee  
Roberto J. Marin (Director)  
Civil Engineer, MSc, PhD  
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**Conference Agenda (All times listed in Coordinated Universal Time, UTC, during the event)**

Time	Tuesday 15/Oct/2024	Title of the presentation
11:30 - 12:00	LandScient	<b>Be LandScient: A Research Journey to Save Lives – The Story of Roberto J. Marin and LandScient</b>
12:00 - 12:30	Alexander Strom	Trimlines - indicator of the abrupt change of the mechanical properties of rock avalanche debris during its motion
12:30 - 13:00	Saeid Moussavi Tayyebi	A Two-Phase Two-Layer Depth-Integrated Landslide Propagation Modeling
13:00 - 13:30	Ivan Marchesini	National-scale assessment of railways exposure to rapid flow-like landslides
13:30 - 14:00	Roberto Valentino	Modeling the vegetation effect on shallow landslides' initiation using CRITERIA-1D
14:00 - 14:30	Jie Dou	Advancing Reservoir Landslide Stability Assessment Through Multi-SAR and Airborne LiDAR Observations-Based Numerical Simulation
14:30 - 15:00	Graziella Devoli	The Norwegian landslide EWS and proposed procedures for quality control of historical landslides, to be used in threshold analyses
15:00 - 15:30	Roberto J. Marin	2D and 3D numerical modelling for preliminary assessment of long-term deterioration in Irish glacial till geotechnical slopes
15:30 - 16:00	Olga Mavrouli	Structural performance of masonry walls for rock boulder impacts

Time	Wednesday 16/Oct/2024	Title of the presentation
13:30 - 14:00	Luca Piciullo	An operational real-time slope stability forecast using a digital twin
14:00 - 14:30	Suvam Das	Stability and Hazard Assessment of the Progressive Zero Landslide in the Kalimpong Region of Darjeeling Himalaya, India
14:30 - 15:00	Rosa M Palau	Implementation of hydrometeorological thresholds for regional landslide warning in Catalonia (NE Spain)
15:00 - 15:30	Susana Pereira	A landslide risk index for municipal land use planning in Portugal
15:30 - 16:00	Gianvito Scaringi	The chemistry of slow clay landslides
16:00 - 16:30	Marco Loche	Temperature and shear-rate effects in two pure clays: Possible implications for clay landslides
16:30 - 17:00	Olivier Dewitte	Natural and human-induced landslides in a changing environment in tropical Africa
17:00 - 17:30	Lorenzo Borselli	SSAP 6.0, Full Freeware Software for Slope Stability Analysis: Case Studies in Mexico and Italy
17:30 - 18:00	Benedetta Dini	InSAR-based landslide precursors: case study of the Achoma landslide, Peru

<b>Time</b>	<b>Thursday 17/Oct/2024</b>	<b>Title of the presentation</b>
10:00 - 10:30	Sandeep Panchal	A Comparative Study of Frequency Ratio, Shannon's Entropy and Analytic Hierarchy Process (AHP) Models for Landslide Susceptibility Assessment
10:30 - 11:00	Massimiliano Bordoni	Impact of mechanical and hydrological reinforcement effects of cultivated plants on shallow landslides
11:00 - 11:30	Sangeeta	Influence of anthropogenic activities on landslide susceptibility: A case study in Solan district, Himachal Pradesh, India
11:30 - 12:00	Stefano Luigi Gariano	Predicting rainfall-induced landslides in a changing climate: data, tools, and challenges from a regional-scale perspective
12:00 - 12:30	Zeljko Arbanas	Landslide initiation in small-scale slopes exposed to artificial rain
12:30 - 13:00	Fabien Ravet	Sensing technologies for landslide monitoring: static and dynamic strain measurements with optical fibers and MEMS based wireless sensors
13:30 - 14:00	Darío Peduto	Multi-source data-based risk assessment of a road interacting with a slow-moving landslide-affected area.
14:00 - 14:30	Mike Long	Long term geotechnical performance of earthworks slopes in Irish glacial tills