

Time	Saturday, November 4, 2023
08:00 - 17:00	Short Course: Filtered Tailings Management – Planning, Design, Construction, and Operation <i>Burrard Room</i>
	Short Course: Moving Beyond TSF Monitoring Status Quo – An Introduction to Emerging and Innovative Technologies <i>Cambie Room</i>
Time	Sunday, November 5, 2023
07:30 - 09:00	Registration
	08:00 - 17:00, Short Course: Tailings Geotechnics: Recent Advances and Perspectives <i>Salon D</i>
	08:00 - 17:00, Short Course: Site Investigation for Tailings, Mine Waste & Heap Leach <i>Salon E</i>
	08:00 - 12:00, Short Course: Risk Assessment – Part 3 <i>Salon F</i>
	13:00 - 17:00, Short Course: Tailings Management Systems <i>Salon F</i>
17:00 - 19:30	Ice Breaker Reception and Exhibit hours <i>Sponsored by Eco Mister</i>

Time	Monday, November 6, 2023		
07:30 - 19:30	Registration Hours		
07:30 - 08:15	Speakers Breakfast <i>Stanley Room</i>		
08:00 - 19:30	Exhibit Hours		
08:00 - 19:30	Poster Hours <i>Granville and Burrard Rooms</i>		
08:30 - 08:45	Welcome and Introductions		
08:45 - 10:00	Opening Plenary Keynote - <i>Tailings Management: Where are we today?</i> Angela Kupper (Introduced by: Caius Priscu) <i>Grand Ballroom Salon DEF</i>		
10:00 - 10:30	Refreshment Break <i>Sponsored by Wood</i>		
10:30 - 12:10	Session 1 - Chair, Rick Friedel Governance & Management Salon D	Session 2 - Chair Gaston Quaglia Site investigation & Design Salon E	Session 3 - Chair, Martyn Willan Surveillance & Monitoring Salon F
10:30 - 10:50	ALARP for Safety Management of Tailings Storage Facilities - Yi Zhu	Integrated Waste Storage Facility Design: Considerations for Co-Disposal of Waste Rock and Tailings for a New Mine - Tyler Dixon	The Deployment of the Internet of Things for Tailings Monitoring - Adam Dulmage
10:50 - 11:10	Tailings Facility Failures – Lessons for Accountable Executives and Consulting Engineers - Michael Davies	Characterisation Of In-Situ State Parameter through Tube Measurement and CPTu Methods in Partially Saturated Tailings - Ezra Coyle	Historical Topographic Surveys of Jagersfontein Tailings Dam Produced from Archive Satellite Images - Sam Rivet
11:10 - 11:30	Organizational Structures for Tailings Management, Applying Learnings from Other Industries - Jarrad Coffey	The Integration of Geological and Hydrogeological Models to Support Design and Operations of a Tailings Facility - Madeleine Sauve; Brienna Shaw	InSAR Monitoring at the Cerro Corona TSF - Ed Sage
11:30 - 11:50	Process Safety Approach for Reviewing Critical Controls on Tailings Storage Facilities - George Afriyie	Design Elements and Closure Considerations of a Tailings Dam Separated from an Upstream Lake - Tanya Walkenbach	Advanced Analytics Applied to InSAR Dam Monitoring Program - Luciano Assis
11:50 - 12:10	The Willingness of Young Engineers to Assume the Role of EOR for TSFs - Mitchell Prince	Seismic Safety of Upstream Tailings Dams: A Risk-Informed Case - Manuel Monroy	Comprehensive Monitoring of Tailings Dams: Navigating the Limitations and Blind Spots of Interferometric Synthetic Aperture Radar (InSAR) Technology - Michael Davis
12:10 - 13:30	Lunch & Poster Session - <i>Sponsored by Silixa</i>		
13:30 - 15:10	Session 4 - Chair, Randall Osicki Supportive Technologies Salon D	Session 5 - Chair, Jennifer Brash Analysis & Design Salon E	Session 6 - Chair, Kate Patterson Sustainability Issues & Closure Issues Salon F
13:30 - 13:50	Case Study of Tailings Deposition Planning and Monitoring Using Frequent Drone-Based Photogrammetry Surveys for a TSF - Robert Snow	Transitioning from Upstream Raising to Downstream Raising on Two TSFs at the Tarkwa Open-pit Mine in Ghana - Johan Boshoff	Circular Economy: Usage of Iron-Nickel Slag as Construction Material for Rockfill Dikes - Henrique Guerzoni
13:50 - 14:10	Successes with Hydraulic Dewatered Stacking at the El Soldado Demonstration Facility - Mark Bruton; Phil Newman	Numerical Analysis for the Stress-Strain Evaluation of the Conversion of a Conventional Slurry Tailings Storage Facility to Filtered Tailings Storage Facility, Considering Different Scenarios - Carlos Omar Vargas	Climate Change Resilience Assessments for Tailings Storage Facilities - Leila Ang
14:10 - 14:30	Hydraulic Dewatered Stacking — Developing Strategies for Brownfield Applications at Mogalakwena, South Africa - Murray McGregor	Seismic Deformation Assessment Of Tailings Dams In Subduction Zones - Zana Karimi	Bringing Recent Expertise from Fly Ash Tailings Pond Closures to Mine Tailings - Paul Schmall
14:30-14:50	Nature-based Biocementation Approach for Mine Tailings Stabilization - Md Al Imran	Engineering Geological Models and a Digital Modelling Solution for Tailings Management - Tristan Menzies	Path to Safe Closure – A Case Study and Lessons Learned - Cassandra Hall; Sam Abbaszadeh; Steven Siemoneit
14:50 - 15:10	Application and Learnings of GISTM Management Optimization Tools - Karen Bechard	Seismic Evaluation of a Tailings Dam Using Uncoupled and Fully Coupled Soil Constitutive Models - Jorge Macedo	An Approach to Undertaking a Tailings related Human Rights Impact Assessment in Ghana - Louise McNab
15:10 - 15:40	Refreshment Break <i>Sponsored by - Nanometrics</i>		
15:40 - 17:00	Panel Discussion #1 - <i>R&D in Tailings and Mine Waste Management</i> Panelists - Liz Karbashewski, Dipo Omotoso, Phil Newman. (Moderator: Daryl Hockley) <i>Grand Ballroom Salon DEF</i>		
17:00 - 19:30	Tradeshow Reception <i>Sponsored by - GEOKON</i>		
18:30 - 21:30	Student Networking Dinner <i>Sponsored by Hatch, Secure Energy and REC</i>		

Time

Tuesday, November 7, 2023

07:30 - 19:30	Registration Hours		
08:00 - 19:30	Speakers Breakfast <i>Stanley Room</i>		
08:00 - 17:00	Exhibit Hours		
08:00 - 19:30	Poster Hours		
08:30 - 08:45	Welcome and Introductions		
08:45 - 10:00	Keynote #2 - <i>Questions & Thoughts on Liquefied Strength of Sand: An Overview - Ed McRoberts (Introduced by: Mike Davies)</i> <i>Grand Ballroom Salon DEF</i>		
10:00 - 10:30	Refreshment Break <i>Sponsored by CGG</i>		
10:30 - 12:10	Session 7 - Chair, Charles Dumaesq Risk Management Salon D	Session 8 - Chair, Kurt Schimpke Case Histories Salon E	Session 9 - Chair, Ljiljana Josic Liners & Supportive Technologies Salon F
10:30 - 10:50	A Comprehensive Risk Management Strategy - Michael James	Transition to Filtered Tailings at LaRonde Gold Mine - Edouardine-Pascale Ingabire	Mine Waste Storage Facility Liner Design and Testing - A Case Study from the Cerro Corona Mine - Raquel Borja
10:50 - 11:10	Credible Failure Modes – Summary of 2021 and 2023 Workshops - Andy Small	From Design to Construction. The Role of the EoR in the Construction of a Filtered TSF Located in a Remote Area - Camilo Morales	Conversion of a Downstream Raised Embankment from Clay Core to Bituminous Geomembrane Liner - Wes Herweynen
11:10 - 11:30	The Tailings Safety Case – An Example - Ryan Singh	The Development of LKAB's Tailings Facilities, from the Beginning and into the Future - Sara Töyrä	Assessing Compression Wave Velocity in Tailings a Case Study - Thomas Barham
11:30 - 11:50	Risk-informed Weighting and Communicating Uncertainties for Tailings MAAs - Jamie Engman	Evolution of Tailings Storage at the Campbell Mine over the Past 40 Years - Desiree Wilkins	Deconstruction of an Upstream Raised Tailings Storage Facility: Project Design and Execution - Darryl Godley
11:50 - 12:10	Did Someone Say ALARP? If So, How Do We Get There? - Malcolm Barker	Rockfill Stockpile Construction Over Loose Tailings - Michael Etezzad	High Capacity Pressure Filters for Tailings Dewatering: Slurry Characteristics and Their Impact on Process Optimization - Francesco Kaswalder
12:10 - 13:30	Guest Speaker Luncheon - <i>Vale's experiences in the geotechnical and tailings fields - Ticketed, Registration required - Geraldo Paes; Rafael Jabur Bittar (Moderator: Scott Martens)</i> <i>Sponsored by esdat</i> <i>Salon ABC</i>		
12:10 - 13:30	Lunch & Poster Session		
13:30 - 15:10	Session 10 - Chair, George Afriyie Case Histories Salon D	Session 11 - Chair, Chris Johns Risk Management Salon E	Session 12 - Chair, Johan Boshoff Site Investigation & Geotechnical Issues Salon F
13:30 - 13:50	Case Study: Decharacterization of Tailings Dike in the Iron Quadrangle, Minas Gerais, Brazil - Thatyane Gonçalves	Using Statistics and Judgment to Generate Screening-level Estimates of Tailings Dam Risk - Michael Porter	Back Analysis of Earthquake Triggered Las Palmas Tailings Dam Failure and Runout Processes - Shielan Liu
13:50 - 14:10	Tailings Stockpile Runout: The Case of Xingu, Brazil - Willyan Debastiani	Pilbara Case Study: Tailings Dams' Failure Probability Quantification, Worlds' Benchmarks and ALARP - Franco Oboni	Improvement in the Recovery of Undisturbed Samples in Soils with High Resistance to Penetration Using the Pitcher Sampler - Filipe Costa
14:10 - 14:30	Tailings Storage Facility Risk Reduction by Use of Integrated Mine Waste Management - Rob Longey	Developing Recovery Plans for Catastrophic Tailings Dam Failure Events - Caius Priscu	Analysis of the Compaction Behaviour of Iron Ore Filtered Tailings on Dry Stacks - Daniel Bastos Ferreira
14:30 - 14:50	TMF Extension at the Björkdal Mine: Dam Foundation Challenges - Annika Bjelkevi	A Discussion on Using Numbers to Demonstrate ALARP - Scott Gover	Monitoring of Iron Tailings Saturation Using Water Moisture Sensors - Luciano Souza
14:50 - 15:10	Jet Grouting Field Trial Program in Soft Tailings - Mauricio Pinheiro	Case Study: Approach to Determining the Risk Mitigation Priority of a Historic TSF in North America - Andy Rudy	Balabag Tailings Storage Facility – Successful Construction Monitoring and Supervision - Farzad Daliri
15:10 - 15:40	Refreshment Break <i>Sponsored by GBG Group.</i>		
15:40 - 17:00	Panel Discussion #2 - <i>New Technologies in TSF Monitoring, Panelists - Matt Lato, Jon Lapwood, Adam Dulmage (Moderator: Chris Anderson)</i> <i>Grand Ballroom Salon DEF</i>		
17:00 - 19:30	Tradeshow Reception <i>Sponsored by Parsons.</i>		
18:30 - 21:30	Offsite Social Events: Discover BC, Vancouver Brewery Tour, Greta Arcade Tour <i>Registered participants to meet in the JW Lobby at 6.45 PM.</i>		

Time

Wednesday, November 8, 2023

07:30 - 12:00	Registration Hours		
07:30 - 08:15	Speakers Breakfast <i>Stanley Room</i>		
08:00 - 17:00	Exhibit Hours		
08:00 - 17:00	Poster Hours		
08:30 - 08:45	Welcome and Introductions		
08:45 - 10:00	Panel Discussion #3 - <i>Trends in ESG Practice related to Tailings Management, Panelists - Janis Shandro, Susan Joyce (Moderator: Dirk Van Zyl) Grand Ballroom Salon DEF</i>		
10:00 - 10:30	Refreshment Break & Poster Session		
10:30 - 12:10	Session 13 - Chair, Andy Small Application of GISTM Salon D	Session 14 - Chair, Mario Bianchin Environment & Water Issues Salon E	Session 15 - Chair, Caius Priscu Site Investigation Salon F
10:30 - 10:50	Engineers of Record, Professional Registration, and the Mining Industry in Mexico - Jesus Romero	Leveraging Exploration Assay and Environmental Data for Mine Waste Planning: Developing Geochemical Block Models for Environmentally Complex Mine Waste - Kristin Salzsauler	Determination of the Degree of Saturation above the Water Table from CPTu Probing in Tailings - Martin Russt
10:50 - 11:10	Effective EoR Succession Planning Recommendations for Implementation of GISTM - Madeline Sova	Method for Evaluating Impacts of Climate Change on Snowmelt and Rain-on-Snow Events - Nicole Whitmore	Deep Drive® – a Remotely Operated Heavy CPT System with Continuous Pushing for Access Restricted Locations - Ray Wood
11:10 - 11:30	GISTM – Defining ‘Substantial’ Conformance: Gold Fields’ Substantial Implementation of the GISTM at the Cerro Corona Mine in Peru and Tarkwa Mine in Ghana - Javier Gutiérrez	Beyond Foundation Seepage: Hydrogeology, Seepage and GISTM - Jonathan Keizer	Brittleness of Iron Ore Tailings – Fact or Artifact, a Case Study - André Archer
11:30 - 11:50	Deviance Accountability – A Register Based Approach - Martyn Willan; Jennifer Brash	Selection of Climate Change-Informed Design Storm Events for a Tailings Storage Facility at Red Dog Operations, Alaska, USA - Bridget Eckhardt	Deep CPTs to Characterize Mine Tailings at Pinto Valley - Kelly Cabal
11:50 - 12:10	Utilized Approaches in the Application of GISTM to Legacy Tailing Facilities - Ali Nasser-Moghaddam	Characterization of Potentially Acid-Generating Tailings for Filtered Tailings Storage Design - Allison Surrette	An Assessment of the Accuracy of Existing Methods to Interpret Partially Drained CPT Data in Mine Tailings - Mason Ghafghazi
12:10 - 13:30	Lunch <i>Sponsored by GHD Limited</i>		
13:30 - 15:10	Session 16 - Chair Sean Wells Closure Issues Salon D	Session 17 - Chair, Cassandra Hall Geotechnical Issues Salon E	Session 18 - Chair, Kate Patterson Breach & Inundation Estimates Salon F
13:30 - 13:50	Lessons Learned from Closure Design and Post-Closure Performance of a Uranium Tailings Storage Facility - Clint Strachan	Life of Mine Tailings Consolidation Model - Arturo Rodriguez	Limitations and Possible Improvement of Dam Breach Studies - Holly Williams
13:50 - 14:10	Applications of Geomorphology in Mine Reclamation - Ken Myers	Earthquake-induced Deformation Analysis of a TSF Undergoing Tailings Reprocessing - Paola Torres	Improvements in Case History Knowledge for Tailings Dam Failures by Statistical and Remote Sensing Methods (CanBreach Project) - Nahyan Rana
14:10 - 14:30	Long-term Evolution of the Phreatic Surface in a Tailings Dam following Closure - Nicholas Beier	Seismic Assessment for Decharacterization in Brazil - José Luis Huamani	Methods for empirical and numerical analysis of tailings flow runoff (CanBreach Project) - Negar Ghahramani
14:30 - 14:50	Interpretation of Vibration-Induced Pressure Generation in Experimental Excavation of an Iron Tailings Reservoir - Frank Pereira	Tailings Behavior Interpretation at High Stresses - Alfonso Carna-Diaz	Waste Dump Failure Runout Analyses: Applying Improved Empirical Correlatio Methods to Waste Dump Datasets - Trevor White
14:50 - 15:10	Beta and Skeeter Lake Tailings Dams: Progressive Dam Safety Review Approach for the Abandoned and Remote Bullmoose Mine in NWT - Kris Hojka	Static Liquefaction of Nearly-Saturated Oil Sand Tailings - Abouzar Sadrekarimi	Physical and Numerical Modelling of Tailings Dam Breach Processes (CanBreach Project) - Megan McKellar
15:10 - 15:40	Refreshment Break & Poster Session		
15:40 - 17:00	Keynote #3 - <i>After Closure: The Legacy of Tailings and Mine Waste - Bjorn Weeks (Introduced by: Mike O’Kane) Grand Ballroom Salon DEF</i>		
17:00	Conference Closes		