	Saturday, November 4, 2023
08:00 - 17:00	**Short Course:** Filtered Tailings Management – Planning, Design, Construction, and Operation
	Short Course: Moving Beyond TSF Monitoring Status Quo – An Introduction to Emerging and Innovative Technologies

	Sunday, November 5, 2023
07:30 - 19:00	**Registration hours**
08:00 - 17:00	**08:00 - 17:00, Short Course:** Tailings Geotechnics: Recent Advances and Perspectives
	08:00 - 17:00, Short Course: Site Investigation for Tailings, Mine Waste & Heap Leach
	08:00 - 12:00, Short Course: Risk Assessment – Part 3
	13:00 - 17:00, Short Course: Tailings Management Systems
17:30 - 19:30	**Ice Breaker Reception (Open to all) and Exhibit hours**

	Monday, November 6, 2023		
07:30 - 19:30	**Registration hours**		
07:30 - 08:15	**Speakers Breakfast** (Monday Sessions only)		
08:00 - 17:00	**Exhibit hours & Poster hours**		
08:30 - 08:45	**Welcome and Introductions**		
08:45 - 10:00	**Opening Plenary Keynote** - *Tailings Management: Where are we today?* Angela Kupper (Introduced by: Caius Priscu)		
10:00 - 10.30	**Refreshment Break & Poster Session**		
10:30 - 12:10	**Session 1 - Chair, Rick Friedel** **Governance & Management**	**Session 2 - Chair TBA** **Site investigation & Design**	**Session 3 - Chair, Martyn Willan** **Surveillance & Monitoring**
10:30-10:50	ALARP for safety management of tailings storage facilities - Yi Zhu & Marnie Pascoe	Integrated Waste Storage Facility Design: Considerations for Co-Disposal of Waste Rock and Tailings for a new mine - Tyler Dixon et al.	The deployment of the Internet of Things for tailings monitoring - Vincent Le Borgne & Adam Dulmage
10:50-11:10	Tailings Facility Failures – Lessons for Accountable Executives and Consulting Engineers - Michael Davies et al.	Characterisation Of In-Situ State Parameter Through Tube Measurement & CPTu Methods In Partially Saturated Tailings - Ezra Coyle et al.	Historical topographic surveys of Jagersfontein tailings dam produced from archive satellite images - Sam Rivet & Matt Nishiyama
11:10-11:30	Organizational structures for tailings management applying learnings from other industries - Jarrad Coffey & Taylor Welch	The integration of geological and hydrogeological models to support design and operations of a tailings facility -Madeleine Sauvé et al.	InSAR Monitoring at the Cerro Corona TSF - Ed Sage et al.
11:30-11:50	Process Safety Approach for Reviewing Critical Controls on Tailings Storage Facilities - George Afriyie & Kimberly Finke Morrison	Design Elements and Closure Considerations of a Tailings Dam Separated from an Upstream Lake - Tanya Walkenbach et al.	Advanced analytics applied to InSAR Dam Monitoring Program - Luciano M. de Assis et al.
11:50-12:10	The Willingness of Young Engineers to Assume the Role of EOR for TSFs - Mitchell Prince & Jeremy Boswell	Seismic Safety of Upstream Tailings Dams: A risk informed Case - Manuel Monroy et al.	InSAR – Technological Limitations and Best Practices - Michael Davis & Nick Linton
12:10 – 13:30	**Boxed Lunch & Poster Session**		
13:30 - 15:10	**Session 4 - Chair, Randall Osicki** **Supportive Technologies**	**Session 5 - Chair, Jennifer Brash** **Analysis & Design**	**Session 6 - Chair, Kate Patterson** **Sustainability Issues & Closure Issues**
13:30-13:50	Case Study of Tailings Deposition Planning and Monitoring Using Frequent Drone-Based Photogrammetry Surveys for a TSF - Laura Nugent et al.	Transitioning from Upstream Raising to Downstream Raising on Two TSFs at the Tarkwa Open-pit Mine in Ghana - Johan Boshoff et al.	Circular Economy: Usage of iron-nickel slag as construction material for rockfill dikes - Simone Sousa et al.
13:50-14:10	Successes with Hydraulic Dewatered Stacking at the El Soldado Demonstration Facility - Phil Newman et al.	Numerical analysis for the stress-strain evaluation of the conversion of a conventional slurry tailings storage facility (TSF) to filtered tailings storage facility (FTSF), considering different scenarios. - Carlos Omar Vargas-Moreno et al.	Climate Change Resilience Assessments for Tailings Storage Facilities - Leila Ang & Nigel Moon
14:10-14:30	Hydraulic Dewatered Stacking — Developing Strategies for Brownfield Applications at Mogalakwena, South Africa - Murray McGregor et al.	Seismic Deformation Assessment Of Tailings Dams In Subduction Zones - Jorge Macedo et al.	Bringing Recent Expertise from Fly Ash Tailings Pond Closures to Mine Tailings - Paul Schmall & Dale Evans
14:30-14:50	Nature-based Biocementation approach for mine tailings stabilization - Md Al Imran et al.	Engineering Geological Models and a Digital Modelling Solution for Tailings Management - Tristan Jónsson Menzies & Yusuf Simjee	Path to safe closure - A case study and lessons learned - Sam Abbaszadeh et al.
14:50-15:10	Application and Learnings of GISTM Management Optimization Tools - Karen Bechard et al.	Seismic Evaluation of a Tailings Dam Using Uncoupled and Fully Coupled Soil Constitutive Models - Zana Karimi et al.	An approach to undertaking a Tailings related Human Rights Impact Assessment in Ghana - Louise McNab et al.
15:10 – 15:40	**Refreshment Break & Poster Session**		
15:40 - 17:00	**Panel Discussion #1** - *R&D in Tailings and Mine Waste Management* Panelists - Liz Karbashewski, Dipo Omotoso, Phil Newman (Moderator: Daryl Hockley)		
17:30 – 19:00	**Tradeshow Reception** (Open to all delegates)		
18:30 - 21:30	**Student Networking Dinner** (Ticketed Event, Registration required)		

	Tuesday, November 7, 2023		
07:30 - 17:00	**Registration hours**		
07:30 - 08:15	**Speakers Breakfast** (Tuesday Sessions only)		
08:00 - 17:00	**Exhibit hours**		
08:00 - 17:00	**Poster hours**		
08:30 - 08:45	**Welcome and Introductions**		
08:45 - 10:00	**Keynote #2** - *Questions & Thoughts on Liquefied Strength of Sand: An Overview* - Ed McRoberts (Introduced by: Mike Davies)		
10:00 - 10.30	**Refreshment Break & Poster Session**		
10:30 - 12:10	**Session 7 - Chair, Charles Dumaresq** **Risk Management**	**Session 8 - Chair, Kurt Schimpke** **Case Histories**	**Session 9 - Chair, Ljiljana Josic** **Liners & Supportive Technologies**
10:30-10:50	A Comprehensive Risk Managemen+B39:D43t Strategy - Michael James et al.	Transition to filtered tailings at LaRonde mining complex - Edouard Masengo et al.	Mine Waste Storage Facility Liner Design and Testing - A Case Study from the Cerro Corona Mine - Raquel Borja et al.
10:50-11:10	Credible Failure Modes – Summary of 2021 and 2023 Workshops - Andy Small et al.	From design to construction. The role of the EoR in the construction of a filtered TSF located in a remote area - Camilo Morales et al.	Conversion of a downstream raised embankment from clay core to bituminous geomembrane liner - Wes Herweynen et al.
11:10-11:30	The Tailings Safety Case – An example - Jiri Herza et al.	The development of LKAB's tailings facilities, from the beginning and into the future - Sara Töyrä et al.	Assessing Compression Wave Velocity in Tailings a Field Study - Thomas Barham et al.
11:30-11:50	Risk-informed Weighting and Communicating Uncertainties for Tailings MAAs - Kate Patterson et al.	Evolution of tailings storage at the Campbell Mine over the past 40 years - Desiree Wilkins & Tara Rothrock	Deconstruction of an Upstream Raised Tailings Storage Facility: Project Design and Execution - Darryl Godley & Gaston Quaglia
11:50-12:10	Did someone say ALARP? If so, How do we get there? - Malcolm Barker et al.	Rockfill Stockpile Construction Over Loose Tailings - Michael Etezad et al.	High capacity pressure filters for tailings dewatering: slurry characteristics and their impact on process optimization - Francesco Kaswalder et al.
12:10 – 13:30	**Guest Speaker Luncheon** - *Vale's experiences in the geotechnical and tailings fields* - Rafael Jabur Bittar and Geraldo Paes (Moderator: Scott Martens) Ticketed, Registration required		
12:10 – 13:30	**Boxed Lunch & Poster Session**		
13:30 - 15:10	**Session 10 - Chair, George Afriyie** **Case Histories**	**Session 11 - Chair, Chris Johns** **Risk Management**	**Session 12 - Chair, Johan Boshoff** **Site Investigation & Geotechnical Issues**
13:30-13:50	Case study: decharacterization of tailings dike in Itabira, Minas Gerais, Brazil - Thatyane Martins Gonçalves et al.	Using Statistics and Judgment to Generate Screening-level Estimates of Tailings Dam Risk - Michael Porter et al.	Back Analysis of Earthquake Triggered Las Palmas Tailings Dam Failure and Runout Processes - Shielan Liu & Harvey McLeod
13:50-14:10	Dry stack tailings runout: case of Xingu dry stack, Brazil - Marcos Túlio Fernandes et al.	Pilbara case story: tailings dams' failure probability quantification, worlds' benchmarks and ALARP - Cesar Oboni & Franco Oboni	Improvement in the recovery of undisturbed samples in soils with high resistance to penetration using the Pitcher sampler - Sabrina Rocha et al.
14:10-14:30	Tailings storage facility risk reduction by use of integrated mine waste management - Rob Longey et al.	Developing Recovery Plans for Catastrophic Tailings Dam Failure Events - Caius Priscu et al.	Analysis of the compaction behaviour of iron ore filtered tailings on dry stacks - Ana Luisa Cezar Rissoli et al.
14:30-14:50	TMF extension at the Björkdal Mine– dam foundation challenges - Annika Bjelkevik et al.	A Discussion on Using Numbers to Demonstrate ALARP - Scott Gover et al.	Monitoring of iron tailings saturation using water moisture sensors - Luciano Souza et al.
14:50-15:10	Jet Grouting Field Trial Program in Soft Tailings - Mauricio Pinheiro et al.	Case Study: Approach to Determining the Risk Mitigation Priority of a Historic TSF in North America - Andy Rudy & Jeff Coffin	Balabag Tailings Storage Facility - Successful Construction Monitoring and Supervision - Farzad Daliri et al.
15:10 – 15:40	**Refreshment Break & Poster Session**		
15:40 - 17:00	**Panel Discussion #2** - *New Technologies in TSF Monitoring* , Panelists - Matt Lato, Jon Lapwood, Adam Dulmage (Moderator: Chris Anderson)		
17:30 – 19:00	**Tradeshow Reception** (Open to all delegates)		
18:30 - 21:30	**Offsite Social Events: Discover BC, Vancouver Brewery Tour, Greta Arcade Tour** (Ticket Events, Registration required)		

	Wednesday, November 8, 2023		
07:30 - 12:00	**Registration hours**		
07:30 - 08:15	**Speakers Breakfast** (Wednesday Sessions only)		
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** - *Trends in ESG Practice related to Tailings Management,* Panelists - Janis Shandro, Susan Joyce (Moderator: Dirk Van Zyl)		
10:00 - 10.30	**Refreshment Break & Poster Session**		
10:30 - 12:10	**Session 13 - Chair, Andy Small** **Application of GISTM**	**Session 14 - Chair, Mario Bianchin** **Environment & Water Issues**	**Session 15 - Chair, Michael Davies** **Site Investigation**
10:30-10:50	Engineers of Record, Professional Registration, and the Mining Industry in Mexico - Jesus E Romero	Leveraging exploration assay and environmental data for mine waste planning: developing geochemical block models for environmentally complex mine waste - Kristin Salzsauler et al.	Determination of the degree of saturation above the water table from CPTu probing in tailings - E Rust & M Rust
10:50-11:10	Effective EoR Succession Planning Recommendations for Implementation of GISTM - Madeline Sova et al.	Method for Evaluating Impacts of Climate Change on Snowmelt and Rain-on-Snow Events - Stephen Clark & Nicole Whitmore	Deep Drive® – a remotely operated heavy CPT system with continuous pushing for access restricted locations - Ray Wood et al.
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 - Louise McNab et al.	Beyond Foundation Seepage: Hydrogeology, Seepage and GISTM - Jonathan Keizer	Brittleness of Iron Ore Tailings – Fact or Artifact, a Case Study - N.J. Vermeulen & A. Archer
11:30-11:50	Deviance Accountability – A Register Based Approach - Martyn Bryan Willan & Jennifer Brash et al.	Selection of Climate Change-Informed Design Storm Events for a Tailings Storage Facility at Red Dog Operations, Alaska, USA - Bridget Eckhardt et al.	Deep CPTs to characterize mine tailings at Pinto Valley - Kelly Cabal et al.
11:50-12:10	Utilized Approaches in the application of GISTM to Legacy Tailing Facilities - Matthew S. Gore & Ali Nasseri-Moghaddam	Characterization of potentially acid-generating tailings for filtered tailings storage design - Allison Surrette et al.	An Assessment of the Accuracy of Existing Methods to Interpret Partially Drained CPT Data in Mine Tailings - Mason Ghafghazi et al.
12:10 – 13:30	**Boxed Lunch & Poster Session**		
13:30 - 15:10	**Session 16 - Chair TBA** **Closure Issues**	**Session 17 - Chair, Cassandra Hall** **Geotechnical Issues**	**Session 18 - Chair, Kate Patterson** **Breach & Inundation Estimates**
13:30-13:50	Lessons learned from closure design and post-closure performance of a uranium tailings storage facility - Clint Strachan & Kevin Raabe	Life of Mine Tailings Consolidation Model - Arturo Rodriguez et al.	Limitations and Possible Improvement of Dam Breach Studies - Holly Williams et al.
13:50-14:10	Applications of Geomorphology in Mine Reclamation - Kenneth Myers	Earthquake-induced deformation analysis of a TSF undergoing tailings reprocessing - Paola Torres et al.	Improvements in case history knowledge for tailings dam failures by statistical and remote sensing methods (CanBreach Project) - Nahyan M. Rana et al.
14:10-14:30	Long-term evolution of the phreatic surface in a tailings dam following closure - Nicholas A. Beier et al.	Seismic Assessment for Decharacterization in Brazil - José Ccotohuanca et al.	Methods for empirical and numerical analysis of tailings flow runout (CanBreach Project) - Negar Ghahramani et al.
14:30-14:50	Pending	Tailings Behavior Interpretation at High Stresses - Alfonso Cerna Diaz et al.	Waste Dump Failure Runout Analyses: Applying Improved Empirical Correlation Methods to Waste Dump Datasets - Trevor White et al.
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 et al.	Static liquefaction of nearly-saturated oil sand tailings - Abouzar Sadrekarimi & Farshad Zehforoosh	Physical and Numerical Modelling of Tailings Dam Breach Processes (CanBreach Project) - Megan McKellar et al.
15:10 – 15:40	**Refreshment Break & Poster Session**		
15:40 - 17:00	**Keynote #3** - *After Closure: The Legacy of Tailings and Mine Waste* - Bjorn Weeks (Introduced by: Mike O'Kane)		
17:30 – 19:00	**Conference Closes**		