

TAILINGS AND MINE WASTE 2019



Last Updated: 2019-11-19
(Program Subject to Change)

Tailings and Mine Waste 2019 Detailed Program

Tuesday, November, 19, 2019			
09:00 - 20:00	Exhibit Hours		
07:00 - 08:15	Registration Opens		
07:30 - 08:15	Speakers and session chairs breakfast meeting (Tuesday Sessions only)		
08:30 - 10:15	Introduction and Welcoming - Dirk van Zyl, Conference Chair, UBC Opening Keynote: Christopher Hatton, Principal Geotechnical Engineer, Haley and Aldrich Inc. Plenary: Richard Dawson, Stantec Plenary: From Design to Operation: Filtered Tailings at the Meliadine Gold Mine, Nunavut, Canada - Nigel Goldup & J		
10:15 - 10:45	Refreshment Break		
	Session 9 - Theme: Technology Session Chair: Cassandra Hall Room: Regency Ballroom D	Session 10 - Theme: Design Session Chair: Chris Anderson Room: Regency Ballroom E/F	Session 11 - Theme: Environment and Technology Session Chair: Rick Friedel Room: Balmoral
10:45 - 12:25	1. CPT approach to evaluating flow liquefaction using yield stress ratio - Paul W. Mayne	1. Long-term performance of oil sands mine reclamation covers under high-resolution climate change projections - Md. Shahabul Alam	1. A study of the impact of evapotranspiration through native plant species on the strength and solids content of treated oil sands tailings - Scott Laberge
	2. Interpretation Uncertainty within a Mechanics-Based Critical State Approach to Tailings Characterization - Andrew Fuggle	2. Strategies for Climate Change Adaptation during Land Restoration and Mine Closure - Gabriel Castillo Devoto	2. Field Testing to Assess the Relative Evaporation Potential of Granular Cover Materials - Kristen Gault
	3. Liquefaction Susceptibility Evaluation of Mine Tailings Using CPT - Iván A Contreras	3. Multi-dimensional Tailings Deposition and Consolidation Modelling - Hongjie Zhou	3. Assessment of different reclamation scenarios for the abandoned Principale mine site (Quebec, Canada) using laboratory column tests - Abdelkabar Maqsoud
	4. Cyclic and Post-Cyclic Response of Tailings under Direct Simple Shear Loading - Miguel Regalado	4. Impact of climate change on surface water management at tailings storage facilities - Pier-Luc Labonté-Raymond	4. Design for transition from down-valley discharge of tailings to partial perimeter-discharge - David Accadia
	5. Static liquefaction-type tailings dam failures: understanding options for detecting failures - Susanne Ouellet	5. An overview of seepage control measures in in-pit dams with a design example from Alberta Oil Sands - Pathma Wedage	5. Tailings management: solving the 100 year problem - Joe Carr
12:25 - 14:00	Lunch		

	Session 12 - Theme: Technology Session Chair: Carlo Cooper Room: Regency Ballroom D	Session 13 - Theme: Case Studies Session Chair: Chris Johns Room: Regency Ballroom E/F	Session 14 - Theme: Tailings Session Chair: Daniel Friedman Room: Balmoral
14:00 - 15:20	1. Stabilization of copper porphyry tailings with tailings-glass geopolymer solidification - Donald Lake	1. Hazard assessment of tailing dams slope instability by Finite Element analyses with stochastic parameter input - Stefano Utili	1. Physical Modelling of Tailings Dam Breach - Andrea Walsh
	2. Creating Better Tailings Facilities Using Innovative Process Engineering - Rachel Jansen	2. Uranium ore treatment tailings pond remediation – A case study - Melchoir Briers	2. Introducing a runout zone classification for the analysis of tailings flows - Negar Ghahramani
	3. Micrometer-Scale Characterization of Solid Mine Waste Aids in Closure Due Diligence - Bryn E. Kimball	3. An Alternative Tailings Deposition System for Uranium Tailings - Matt Treinen	3. 3D simulations of dam breach and deposition using viscosity bifurcation rheology - Etienne Parent
	4. Underground Mine Rehabilitation for Closure: A Uranium Case Study - Sue Longo	4. A computational platform for the quantification of the seismic demand in mining projects - Gabriel Candia	4. Challenges of Completing Dam Break Analyses on Large (Copper) Tailings Dams - Raúl Norambuena
15:20 - 15:50	Refreshment Break		
15:50 - 17:10	Session 15 - Theme: Technology Session Chair: Dan Maclean Room: Regency Ballroom D	Session 16 - Theme: Design Session Chair: Julia Steele Room: Regency Ballroom E/F	Session 17 - Theme: Geosynthetics Session Chair: Andy Jung Room: Balmoral
	1. Pulsation Dampening in Tailings Handling with Piston Pumps - Tobias Lutz	1. Variably-Saturated Flow Modeling of a Heap Leach Pad: Analysis of Saturation Mechanisms - Kelly Greaser	1. Construction of a new Tailings Storage Facility with a Lined Basin in West Africa, a Case Study - Philip Addis
	2. A new technique for measuring the reactivity of sulfidic ores and wastes: The application of infrared thermography - Marjan Knobloch	2. In Situ Hydraulic Conductivity Testing of a GeoWaste Test Pile - Mohammad H. Gorakhki, Christopher A. Bareither	2. Improved QA/QC of Double-Lined Ponds for Processed Water Containment - Heather D. McDaniel, Pascal Saunier
	3. Characterization of Oil Sands Tailings Using Hyperspectral Technology - Iman Entezari	3. Detailed Geomorphic Design of a Waste Dump in the Mineable Oil Sands Region - Dejiang Long	3. Encapsulation of Mine Waste with Geomembrane as the Preferred Closure Option for Gordon Lake Sites in NWT - Kris Hojka
	4. Using Technology to Identify Seepage Flow Paths Through, Under and Around Tailings Impoundments - Ryan Blanchard	4. Case Study using the Stability Rating and Hazard Classification System for Mine Waste Stockpiles - Matthew Brenner	
17:45 - 20:00	Tradeshow Reception		

Wednesday, November 20, 2019		
09:00 - 17:30	Exhibit Hours	
07:00 - 08:15	Registration Opens	
07:30 - 08:15	Speakers and session chairs breakfast meeting (Wednesday Sessions)	
08:30 - 10:15	Introduction and Welcoming - Dirk van Zyl, Conference Chair, UBC	
	Opening Keynote: Terry Eldridge, Senior Mine Waste Consultant,	
	Plenary : Meaningful Chilean public-private collaboration end up with Plenary: Water Matters – Final Draindown Modelling for Mine Waste	
10:15 – 10:45	Refreshment Break	
	Session 18 - Theme: Environment Session Chair: Kristin Salzsauler Room: Regency Ballroom E/F	Session 19 - Theme: Technology Session Chair: Pascal Saunier Room: Balmoral Room
10:45 - 12:25	1. Effects of Shear on Dewatering and Compressibility of Treated Oil Sands Tailings - Scott E Webster	1. InSAR as a Complementary Technology for Monitoring Programs of Tailings Storage Facilities and Waste Piles - Giacomo Falorni
	2. The Value of Detailed Topographic Surveys for Consequence Classifications Using Dam Breach Assessments - Alex Halliday	2. High Performance Fine Tailings Dewatering with Hydrated Lime Slurry - Narain Hariharan
	3. Environmental assessment of residues from field multi-step passive treatment of Fe-AMD: Case study of the Lorraine mine site, QC, Canada - Marouen Jouini	3. Earthquake Ground Motion Selection Criteria for Analysis of Tailings and Mine-Waste Facilities - Marcelo Martinez
	4. Tailings storage facility embankment reconstruction at Mount Polley Mine - Germán Pizarro-Sala	4. Processes for the Closure Design of Greenfield and Brownfield Overburden Dump Sites - Julian McGreevy
	5. Baseline Investigations and Preliminary Design for an In-Pit Tailings Storage Facility, Magistral Mine, Sinaloa - Patrick Williamson	5. Challenges associated with water management and embankment raising of a large single-cell central discharge tailings storage facility in Australia - Gerrie Le Roux
12:25 – 14:00	Keynote Luncheon (Ticketed) - <i>The Owner's Golden Triangle in</i>	

	Session 20 - Theme: Design Session Chair: Kurt J Schimpke Room: Regency Ballroom E/F	Session 21 - Theme: Design Session Chair: Kate Patterson Room: Balmoral Room
14:00 -15:20	1. Assessment of Leach Ore Dry Unit Weight and Hydraulic Performance - Peter D. Duryea	1. Liquefaction assessment of a thickened tailings deposit in an arid environment using empirical approaches and critical state laboratory testing to calibrate cone penetration tests - Brad Tiver
	2. Material-Specific Intrinsic Oxidation Rates from Custom Laboratory Oxygen Consumption Testing - D. Morgan Warren	2. Foundation Geotechnical Investigations at Two Gold Mine Tailings Storage Facilities in Western Australia - Brendan Cummins
	3. Field Shear Vane Testing in Tailings - Chad Mundle	3. Geotechnical and unsaturated properties of metal mines and oil sand tailings - Louis Kabwe
15:20 - 15:50	Refreshment Break	
15:50 - 17:30	Plenary Session	
	1. Hurricanes Harvey and Florence; Are Storms Changing and How Does	
	2. Static Liquefaction of Tailings: An Update on the Industry Funded	
	3. Responsible Design and Other Defences Against Static Liquefaction of	
	4. Valorization of phosphate mine wastes: the challenge of additional	
	5. The Global Mine Tailings Portal - When to Call it Global? Kristina	
18:00	Conference Closing	