



Technical Program – accepted papers

| Title | Author(s) |
|--|--|
| Lessons learnt by applying a risk-based approach to existing and future tailings storage facilities | Peter Chapman, Scott Gover, Jordan Ribbons |
| Agnico Eagle LaRonde Filtered Tailings Project Concept to Commissioning | Ajit Baruah, Paul de la Durantaye |
| Evaluation of Biogeochemical Processes for Weak Acid Dissociable Cyanide | Larissa Smith, Sandra Dworatzek, Jeff Roberts, Valerie Bertrand, Elizabeth Walsh |
| ALARP: where are we going and how do we get there? | Malcolm Barker, Chris Topham, Nicholas Glover, Manuel de Membrillera Ortuño |
| Evaluating the Stability of Upstream and Brittle Facilities – Case History Validation of the “Rules” | Michael Davies, John Lupo |
| Freeze-thaw durability of cemented paste backfill containing arsenic trioxide roaster waste dust | Caroline Alexon, Nicholas Beier, Amirhossein Mohammadi, Isabelle Demers |
| Enhancing Safety and Reducing Environmental Impact through Development of a Robotic Hybrid CPT Rig | David Slack, Roque Obusan, Yasmin Byrne, Dora de Melo, Jason DeJong |
| CPT calibration chamber testing of tailings sand at high confining pressures | Matthew Haynes, Riccardo Fanni, David Reid, Kyle Smith |
| Towards Closure of Germano Pit Tailings Storage Facility | Mauricio Pinheiro, Richard Dawson, Andrew Burgin, Mathieu Wacowich, Rogerio Torres, Jose Bernardo, Anelisa Vasconcelos |
| Water Balance and Water Quality Predictions for the Cariboo Gold Project Filtered Tailings Facility | Adrian Moreau, Jijia Zheng, Michelle Liew, Alex Fitzpatrick |
| Long-term performance of a coarse-grained monolayer cover on a pre-oxidized mine site | Karine Sylvain, Isabelle Demers, Thomas Pabst, Sophie Turcotte, Andréane Samson |
| How to design a tailing’s dam full removal? Lessons learned from a case study in Brazil | Luciano Souza, Claudio Roderigues, Marina Oliveira, Mario Vieira, Neil Singh |
| A screening approach for preliminary ALARP assessments of societal risks of existing tailings dams | Chao Han, Wade Ludlow |
| Interpretation of Pore Pressure dissipation test results in Tailings | Eben Rust, Martin Rust |
| Estimation Of Undrained Shear Strength Parameters From Laboratory Testing For Geotechnical Analysis: tff vs qf | Masood Kafash, Thomas Barham, Lisa Yenne, Ranjiv Gupta, Georgia Lysay |
| Design of a Co-Disposal Facility for Thickened Tailings and Potentially Acid Generating Waste Rock | Patrick Williamson, Wilson Muir |
| Geotechnical Failure of a Waste Rock and Heap Leach Facility at the Bellavista Gold Project | Terry Braun |

TAILINGS AND MINE WASTE 2024

November 10-13, 2024 | Colorado, USA



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| Title | Author(s) |
|--|--|
| What could Tailings Facility Engineering look like in 2030? | Andy Small, Andrew Witte, Annika Bjelkevik |
| A critical review of the residual pore pressure generation during cyclic loading | David Espinoza, Jenny Ramirez |
| Enhancing Soil and Tailings Characterization: Integration of Photonics Technology with Cone Penetration Testing | Iman Entezari, Dallas McGowan, Joseph Bindner, Joseph Glavina, Jason DeJong |
| A Risk-Based Approach for Management of Change of Tailings Storage Facilities | Bryan Bale, Shawn Gravel, Adam Chiorando |
| Modeling Cover Systems for Tailings Facilities: Integrating Hydrus-1D and Python for Enhanced Seepage Prediction | Ariel Terlisky, Imanol Vega, Gastón Quaglia, Jonathon Doherty, Michel Noël |
| Credible Failure Modes: considerations for assessment and application | Scott Martens, Angela Kupper |
| Application of USACE LifeSim to the Feijão Dam B-1 Tailings Storage Facility Failure of January 25, 2019 | William Johnstone, Jesse Morrill-Winter |
| Development of a calibrated seepage model to predict pore pressure reduction to inform Tailings Storage Facility closure planning | Wesley Rouncivell, Rowan James, Simon Lorentz |
| Hydraulic Dewatered Stacking Demonstration – Approaching Operational Completion | Phil Newman, Mark Bruton, James Purrington, Alireza Nickman, Andrea Lopez |
| Design, construction, monitoring, and numerical modeling of large-scale field trials: assessing cover performance for reclamation method selection | Karine Sylvain, Marie-Lin Breard Lanoix |
| A comparison of state parameter estimated using different methods to assess the static liquefaction of tailings | Fahimeh Mahdavi Naftchali, Mathan Manmatharajan, Hamed Behzadipour, Michael Etezad |
| The Relevance of Particle Crushing for the Design of Compacted Filtered Iron Ore Tailings Storage Facilities | João Paulo Sousa Silva, Bruno Guimarães Delgado, Alexia Wagner, João Vítor Carvalho, Nilo Consoli |
| Iron ore tailings under high confining pressures: The effect of cement addition on the critical state response | Nilo Consoli, João Paulo Sousa Silva, Gustavo Marçal de Sousa, Hugo Carlos Scheuermann Filho |
| Silty Sand Tailings Saturation and its Influence on Interpreted CPTu Soil Behaviour Type | Andrew Burgin, Richard Dawson, Mauricio Pinheiro, Anelisa Vasconcelos |
| In-pond mixing of fine and coarse tailings - results from a commercial-scale pilot in Canada's oil sands | Evan Davison, Lucas Hu, Bobby Hutchinson, Peter House |
| Iron ore tailings dam de-characterization: Evaluation of key parameters for future dry stacking | Hugo Carlos Scheuermann Filho, Thatyane Goncalves, Nilo Consoli, Gino Omar Calderon Vizcarra, Frank Pereira, Nilthson Noreña |
| Solar-Powered Electrokinetic Tailings Dewatering | Ed Hanna, John Vandersleen |

TAILINGS AND MINE WASTE 2024

November 10-13, 2024 | Colorado, USA



| Title | Author(s) |
|--|--|
| Passive Seismic and Interferometry Techniques in Dam Decharacterization Monitoring | Camilla Rodrigues, Marc Lambert, Benjamin Witten |
| A new implicit kinetics method to estimate shear strength mobilized in liquefaction flow failures | Jiarui Chen, Scott Olson, Soham Banerjee, Mandar Dewoolkar, Yves Dubief |
| Practical Remedies to Improve the Defenses of Tailings Structures | Jeremy Boswell, MD Anan Morshed, Thomas Kujawa, Meghan Barton |
| Tailings Facility Surveying Leveraging Complementary Technologies | Veronique Nell, Andrea Krupa |
| The importance of considering from dilute to dry tailings rheology formulations in practical tailings dam break modeling | Reinaldo Garcia, Jacinto Artigas, Sergio Martinez-Aranda, Pilar Garcia-Navarro, Javier Murillo, Nick Calero, Adolfo Correa |
| Lessons Learned in Applying the Observational Method to a Tailings Facility Constructed on a Soft Clay Foundation | Bryce Marcotte, Kyle Scale, Calvin Boese, Michael Andree, Travis Pastachak, Brent McFarlane, Jason Bell |
| Update on GISTM Implementation at BHP – Lessons Learned on the Journey | Chad LePoudre, Tenaya Brown, Justin Willis, Chris Sonntag |
| Dam Breach Analysis: A Methodology for Non-Newtonian Hazard Mapping and Fatality Rate Estimates | Mark Walden, Martin Rust, Nicholas Rocco, Sarah Melberg, Reinaldo Garcia |
| New Wireless Technology for Tailings Monitoring | Leonnardo Probst Simoes, Braulio Araujo Rodrigues, Sean Allen, Jake Lloyd, Vitor Almeida, Jhonimar Santos, Denis Rafael Valentim |
| Compaction Sensitivity in Tailings Stack Infiltration Modeling: Unsaturated Properties Uncertainty Analysis | Letícia Garcia, Marcos Lemos, Guilherme Gomes |
| Tailings Pond Sedimentation Capacity: A Practical Approach | Michael Louws, Karina Stapleton, Andrew Witte, Sam Nunoo, Faegheh Niyazi |
| The Evaluation of Nonlinear Dynamic Numerical Simulations of TSF | Michael James |
| Effect of in-situ dewatering and compaction of copper tailings using Accelerated Mechanical Consolidation | Oscar Santiago, William McAdam, Rafael Menezes |
| Key parameters that influence the operation of tailings dry stack disposal considering various international practices | Gino Omar Calderon Vizcarra, Kathy Tehrani, Fernando Sgavioli, Thatyane Goncalves, Frank Pereira |
| Influence of In Situ Soil Fabric on the Critical State of a Glaciolacustrine Silty Soil | Morteza Mohamadi, Chang-Gyun Jeong, Simon Dickinson, Erinn Raison, Adrian Wightman |
| Stay and fight, or flee? Assessing the risks of intervention leading up to a catastrophic failure | Justin Willis |
| Meteorological Inputs to Tailings Storage Facility Assessments and Risk Assessments-Experience and Lessons Learned | Bill Kappel, Doug Hultstrand, Andy Small |

TAILINGS AND MINE WASTE 2024

November 10-13, 2024 | Colorado, USA



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| Title | Author(s) |
|--|--|
| Modelling of embankment scour caused by a tailings pipeline break and potential risk of dam breach | Angus Rose, Mateus Nogueira, David Accadia |
| Influence of Density on Predicting Saturation in Filtered Tailings using an Electromagnetic Sensor | Garret Martin, Chris Bareither, Joe Scalia |
| GISTM – Effective Implementation | Lis Boczek, Richard Zayler, Gideon Steyl |
| A case study on ALARP for safety management of tailings storage facilities | Theo Gerritsen, Yi Zhu |
| Characterization of Flocculated Fluid Fine Tailings Using On-line Microscopy | Paul Mikula, Nan Wang, Adeola Bello-Hamilton, Randy Mikula |
| Rapid Water Table Response to Transient Pressure Wave Generation in the Unsaturated Zone of Tailings Dams | Charne Theron, Simon Lorentz |
| Reducing mine closure cost risks by employing effective construction management strategies. | Michael Nahir, Marie Rousseau, Geoff Karcher |
| Geochemical Investigations Toward a Groundwater Compliance Action Plan at the Moab UMTRA Project Site | Lisa Burgess, Keaton Belli, Chelsea Bokman, Jennifer Nyman, Liz Moran, Ken Pill |
| Vale Base Metals Modernization of Instrumentation Monitoring System for Dam Safety at Canada Tailings Storage Facilities | Wing-Keat (Wayne) Wong, Greg Puro, Lucas Lobato Ribeiro |
| Drained laboratory vane shear testing to characterise nonplastic tailings | Alvino Bezuidenhout, Luis Alberto Torres Cruz |
| Ambient Noise Tomography (ANT) Applied for Tailing Dam Monitoring: A Comprehensive Review | Daniel Campos, Andrés Rincon |
| Proposal for Guidelines on Filtered Tailings Disposal: detailing the Hypothetical Rupture Studies | Elaine Soares, Waldemar Felitti, Fernando Pereira Aguilár, Alex Castro, Luiz Eduardo Villas Boas |
| Importance of Environmental Components in Assessing Risks under GISTM | Karen Bechard, Heather Townsend, Rachel James |
| Critical seepage analyses for stability of tailings dams | Dobroslav Znidarcic, Gordan Gjerapic, David Gillette |
| Enhanced Conceptualization of Reactive Filtered Tailings Oxidation using a Reactive Transport Model | Katherine Raymond, Jared Robertson, Julie Zettl, Mike O'Kane |
| Predicting Tailings Properties using Hyperspectral Sensing and Machine Learning | Joseph Bindner, Joe Scalia, Chris Bareither, Iman Entezari, Dallas McGowan |
| Analysis of the deformation and cracking mechanism of a tailings dam - case study | Paulo Cella, Carlos Santos, Felipe Neiva, Laura Rodriguez |
| Enhancing Pseudo 3D Seepage Modelling with Topographic Integration for heap leach facilities | Imanol Vega, Ariel Terlisky, Michel Noël |
| Multi-model analyses of tailings impoundment failure and runout: Part III | Armin Saeedi, Mario Martinelli, Paul Simms |

TAILINGS AND MINE WASTE 2024

November 10-13, 2024 | Colorado, USA



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| Title | Author(s) |
|---|---|
| The Internal and Interface Shear Strength of Geosynthetic Clay Liners for Mining Application | Andy Jung, Reza Gorakhki |
| An Often-Overlooked Approach for Slope Stability of Tailings Dams Built Using Centerline and Downstream Construction | Jed Greenwood, Iván Contreras, Junhong Li |
| “Failing Forward” To Secure Oil Sands Tailings Impoundments Against Catastrophic Failures: Preliminary Results | Armin Saeedi, Louai Alshafiti, Xuexin Xia, Gonzalo Zambrano Narvaez, Nicholas Beier, Mario Martinelli, Paul Simms |
| How many triaxial tests do you actually need to get a Critical State Line? | Marcos Arroyo, Lluís Monforte, Stefano Collico |
| Probability Distributions of Tailings Dam Breach Volumes by Failure Mode as Part of a Risk Screening-Level Tool | Stephanie Bale, Vincenzo Coia, Brad Russell, Daley Clohan |
| Maintaining Continuity: Lessons from a TSF Incident Linked to Engineer Transitions | George Afriyie, Jeremiah Williams, Rashida Umar, Ankomah Bosomtwi |
| Preventing potential consequences of a TSF failure: addressing the ‘other side’ of the risk equation | Susan Joyce, Keiran Doyle |
| Surveying the Landscape: Understanding Engineer of Record Challenges and Perceptions in the Brazilian Tailings Industry | Luciano Souza, Luciana Praça, Matheus Hamade, Mauro Junior, Raika Silva |
| Transportable Moisture Limit vs. Conveyability Testing | Christopher Olsen, Kenneth Rahal, Chris Braun, Skyler Pinnock |
| Tailings risk mitigations at Hudbay Flin Flon: prioritization approach and implementation of multiple mitigation measures | Brad Russell, Trevor Ross, Matt Dugie, Matthew Schafer, Ed Carey |
| Learning from Experiences – Let’s get real | Malcolm Barker |
| Comparative Analysis of Vane Shear and Fall Cone Tests for Characterizing Oil Sands Tailings in sandy-fine category | Peter Kaheshi, Gordon Wilson, Heather Kaminsky |
| Volumes of Dam Material Mobilized by Erosion During Tailings Dam Failure Events | Daniel Adria, Violeta Martin, Heleman Wong |
| Selection of the seismic coefficient in pseudostatic slope stability analyses of tailings dams | Jonathan Bray, Jorge Macedo |
| Deporment of Magnesium and Silicon in a Two-part HCl-NaOH leaching of Asbestos Tailings | Terry Cheng, Claude Morissette |
| Southeast Rock Disposal Site Tailings Co-disposal Facility | Ben Wickland, Don Parsons, Anthony Van Engelen, Scott Coombs |
| Evaluation of best available technologies and practices for tailings seepage detection and monitoring at Cobre Panamá | John Fortuna, Carlos Hubner |
| The Role of Engineer of Record – A reflection of the current state of practice from an Australian perspective | Theo Gerritsen, Laura Fidel, Lis Boczek, Chris Hatton |
| Case Study of Optimizing Design by Performing Field Trials of a Filter Selection for a Rockfill Embankment | Jason Hilgers, Thomas Barham, Julia Jarriel, Tiffany Cromey, Robert Snow, Devinne Ramirez, Ranjiv Gupta |

TAILINGS AND MINE WASTE 2024

November 10-13, 2024 | Colorado, USA



| Title | Author(s) |
|---|--|
| Measurement of Bingham Yield Stress and Plastic Viscosity of tailings slimes using an In-Situ Viscometer | Dallas McGowan, Yasmin Byrne, Simon Sun, Heather Kaminsky, Jason DeJong |
| Testing of an autonomous rheometer for optimized tailings thickeners operation | Arno Talmon, Wiebe Boomsma, Bas Nieuwboer, Samir Rustamov, Menno Jaspers, Sven van Asperen, Miguel de Lucas Pardo |
| InSAR study into pre and post failure deformations of the Jagersfontein Tailings Dam | Divya Sekhar Vaka, Skevi Perdikou |
| Cyclic response of mine tailings at field and laboratory scales – example using a novel database | Cody Arnold, Jorge Macedo |
| Standardizing Sediment Porewater Passive Samplers to Measure Metal Availability at Mine Sites | Florent Risacher, Jason Conder, Brent Pautler, Alex Sweett, Andrew Jackson |
| The Barriers to Widespread Adoption of Tailings Dewatering Technologies | Ljiljana Josic, Ashley Verge, Kasra Majdani |
| Risk Based Planning of Monitoring Programs for TARPs. | Richard Sisson, Dirk Van Zyl |
| Implementation of Saturated and Unsaturated Seepage Analysis in a Polymetallic Tailings Storage Facility: A Case Study | Jose Alfredo Promotor, Sergio Hernandez, Osvaldo Flores, Cesar Gallegos |
| Some Considerations in the Stability of Tailings Dams Subjected to Blasting Vibration | Ezra Coyle, Seyedshayan Hashemi |
| Estimation of Outflow Runout Distance in Tailings Dam using Artificial Intelligence Technique | Mohammad Rashidi, Sam Abbaszadeh, Jenisha Chhetri |
| Development of Tailings-Specific Correlations for Estimating Fines Content from CPT Data Using Artificial Intelligence Method for the Holden Mine | Mohammad Rashidi, Phillip Crouse, Summer Sun |
| Operational processes for stacking filtered tailings. Itabira case study. | Rodney Silva, Felipe Bonucci, Danilo Manata Eloi, Miguel Paganin, Wesley Maciel, Jonas Guedes, Maíra Drumond, Mateus Leite |
| 2D and 3D Numerical Analyses of a Trial Embankment construction over a Tailings Storage Facility (TSF) | Alfonso Cerna-Diaz, Lisa Yenne, Pooya Sheykhloo, Richard Davidson, Theo Gerritsen |
| Performance assessment of a filtered tailings storage facility partially built with uncompacted tailings | Edwin Sanchez, Denys Parra |
| Spatial variability assessment of mine tailings | Luis Vergaray-Astupina, Jorge Macedo |
| Tailings Characterization for Flow Liquefaction Evaluation at a Large Tailings Storage Facility by Advanced Laboratory Testing | Juan Carlos Ayes-Zamudio, Akhter Hossain, Tony Freiman |
| Feijão Dam I 3D Numerical Simulation: A comprehensive approach, from triggering to dam breach | Alfredo Arenas, Nicolas Pereira |
| The Use of Programming Language in GISTM Compliance for the Holden Mine | Summer Sun, Phillip Crouse |
| Boodarie Tailings Storage Facility – Our journey to closure | Nathalia Revelo Mendez |

TAILINGS AND MINE WASTE 2024

November 10-13, 2024 | Colorado, USA



| Title | Author(s) |
|---|--|
| Next-Gen Tailings Waste Management: Transforming Life-Cycle Strategies | Lakshmin Bachu |
| Exploration of Passive Desaturation of in Place Tailings Using Wicking Geosynthetics | Kendall Monley, Joe Scalia |
| Combining approaches for environmental assessment of tailings ponds and waste piles in Easter Amazon | Silvio Ramos, Paula Ribeiro, Cecilio Caldeira, Wendel Pereira, Markus Gastauer, Pedro Souza-Filho |
| Analysis of geotechnical properties of waste dumps materials from iron mines | Jeniffer Viegas, Antonio Gallardo, Rodrigo Marinero |
| Numerical Simulation of Trigger Mechanisms of Static Liquefaction Applied to a Tailings Dam | Miguel Angel Villalobos Bravo, Richard Witasse |
| TWIM Framework: A Digital Twin Approach for Strategic Dry Stacking Tailings Management | Cauê Somensi, Douglas Firmo, Gustavo Marçal, Alexandre Santos, Lucio Yamamoto |
| Kidston Hydro Electric Power (HEP) Re-purposing an Abandoned Mine | Malcolm Barker, Tony Ford, Peter Gaylard |
| Rate effects in In situ Testing in Hard Rock Mine Tailings and Their Impact on the Estimation of Shear Strength Parameters | Mohammad Zarrabi, Estelle Nkamegue, Michael Demers-Bonin, Mohammad Kermani, Kendell Cator |
| Lessons learned from designing a soil cover system for a tailings storage facility exposed to an arid climate | Vincent Castonguay, Elissar Ozeir, Miguel Medina, Fannie Lessard |
| A Safe Approach to Assess the Trafficability of Tailings Beaches for Operation and Closure Construction Activities | Delakshan Inparajah, Gordon Pollock, Ahreum Lee, Anthony Faulder, Jason Chen |
| Geotechnical challenges of tailing storage facilities in cold regions | Morteza Esfehiani |
| Conformance vs. Compliance: Contrasting the Voluntary GISTM to 9 years of Federal CCR Regulations | Lucas Carr, Steven Fecht, Nguyet Nguyen |
| Assessment of flow liquefaction susceptibility of a tailings dry stack pile using the state parameter and Yield Stress Ratio approach | Marcus Vinicius Lima Dias, Diego Santos, Mariela Silva, Gustavo Marçal, Marilia Freire |
| Numerical modelling comparison of large strain tailings consolidation | Daniel Pham |
| Integrating Geometric Deposition and Hydrological Water Balance in Tailings Management: A Semi-Probabilistic Approach | Paulo Victor S A de Castro, Miguel Palape, Roberto Silva, João Marcus S A de Castro |
| Incorporating Lifespan Considerations into ALARP Decision-Making for TSFs: A Practical Methodology | Ignacio Cueto, Osvaldo Ledesma, Franco Oboni |
| Tailings Disposal Management in Large Reservoirs – Case Study for Mirim Dam, Salobo Mine, Brazil | Gustavo Belotto, Carlos Lima, Henrique Guerzoni, João Paulo Rodrigues, Felipe Barbosa, Dfferson Oliveira, José Wanderley |
| Improving Tailings Deposition: A Drone and Satellite Survey Validation Framework for enhanced Facility Management | John Thuysbaert, Joe Piccolo-Lawrance, Joseph Quinn, Romain Girard |

TAILINGS AND MINE WASTE 2024

November 10-13, 2024 | Colorado, USA



| Title | Author(s) |
|---|---|
| Enhancing Data Management and Analysis for Mine Waste and Tailings Dam Design through Modern Data-Analytics Dashboards | Elaheh Talebi, Fariba Yavari, Kris Hojka |
| Risk Management for Access to Dams at Emergency Level Control: Control Levels (OMS Manual) and Safety Plan | Virginie Pinto, Daniel Raposo, Milena Matos, Elias Sousa, Alexandre Santos |
| Global Climate Change due to Earth Cycles and Implications to GISTM Standards | Kris Hojka, Fariba Yavari |
| Dam safety remediation measures at the Aitik Tailings Management Facility, Northern Sweden | Romain Girard, Joseph Quinn |
| PLAXIS and CASM: formulation, implementation, and verification | Erick Rógenes, Ian Paes, Bruno Guimarães Delgado, Alessandra Gomes, Felipe Cruz, Daniel Lanzieri, Alomir Fávero Neto, Leandro Rasmussen |
| Vibro-consolidation technique for tailings management and dam decommissioning works | Gustavo Marçal, Ana Torres, Felipe Russo, Lucio Yamamoto |
| A study on the possibilities, constraints, and motivation for transitioning a conventionally designed TSF into a full scale hydraulically dewatered stack (HDS) facility for fine residue disposal in South Africa. | Winston Nxumalo Winston Nxumalo,, Phil Newman, Andrea Lopez |
| Evaluating iron ore tailings' variability in an upstream dam for dam closure | Thatyane Goncalves, Alexia Wagner, João Vítor Carvalho, Frank Pereira, Nilo Consoli |
| Effect of temperature on the generation of arsenic from reactive waste rock from an Arctic mine: A laboratory investigation | Elaura Seutin, Benoît Plante, Bruno Bussiere, Vincent Boulanger-Martel |
| Seismic Deformation Analyses of Germano Main Dam, Part II Development of 2D FLAC Model and Sensitivity Studies | Pu Yang, Mehdi Qoreishi, Mauricio Pinheiro, Evan Hsiao |
| Seismic Deformation Analyses of Germano Main Dam, Part I Calibration of PM4Sand Model for Sand Tailings using Field and Advanced Lab Test Data | Pu Yang, Mehdi Qoreishi, Mauricio Pinheiro, Evan Hsiao |
| Particle size, hydraulic transportation, and in-line mixing, from a tailings in-line flocculation perspective | Raymond Guang, Trong Dang-Vu |
| Preliminary design of the tailings cover system using numerical modeling to perform sensitivity analysis. | Bibhuti Panda, Rouzbeh Rasouli, Jason Chen, Anne-Marie Dagenais |
| Potential of X-ray Micro-CT Imaging for Mine Tailings Deposit Characterization | Dharma Wijewickreme, Ana Valverde |
| Enhancement of tailings properties by cement amendment for their valorization in cover systems to reclaim active or closed tailings storage facilities (TSF) | Audrey Jalce, Isabelle Demers, Benoît Plante, Thomas Genty, Eric Brouard, Marie-Pier Ethier, Sophie Turcotte, Marie-Andrée Guindon |
| UPLOAD – ANALYSE – ACT: Artificial Intelligence-assisted faster, seamless, and almost real-time Tailings Dam construction quality assurance is knocking at our doorstep. | Anjan Kundu |

TAILINGS AND MINE WASTE 2024

November 10-13, 2024 | Colorado, USA



| Title | Author(s) |
|---|--|
| Bayesian networks application and analysis of failure mechanism and triggers in tailings dams: A case study | Keith Mandisodza, David Williams, Chenming Zhang |
| A Feed Forward Approach to Optimizing Oilsands Tailings Centrifuge Operation | Paul Mikula, Adeola Bello-Hamilton, Nan Wang, James Lorentz, Randy Mikula |
| A Parameter Calibration Methodology for the Clay and Sand Model (CASM) Constitutive Model | Alessandra Gomes, Erick Rógenes, Felipe Cruz, Paula Pais, Alomir Fávero Neto |
| Mechanical behavior of gold mine tailings dried by natural dewatering | Mayara Rodrigues, Paula de Mello Martins, Jaime Pinheiro |
| TRIM4Post-Mining: Geotechnical Input for Transition Information Modelling for Post-Mining Landscapes | Gerald Verbeek, Gustavo Hamu |
| Utilisation of novel electrokinetic geosynthetics for stabilization of ultra-fine tailings | Nilan Jayasiri, Andy Fourie, Cristina Vulpe |
| Analysis of video images obtained during Cone Penetration Testing | Gerald Verbeek, Gustavo Hamu, Oksana Khomiak |
| Fundamental Properties of Filtered Tailings on Density-Moisture Curves | Uddav Ghimire, Jackson Norbutas, Tejo Bheemasetti |
| Modelling Assumptions and Implications During Closure Assessments on Legacy Tailings Facilities | Benjamin Kramka, Erin Dunn, Lauren Meyer, Jason Cumbers |
| Enhancing the Safety of Tailings Dams: An Updated Approach in Fault Tree Analysis and Probabilities | Geinfranco Rhunan Villalta Neira, Raquel Borja Castillo |
| Assessment of silicate- and catecholate-based surface treatment performances to limit the mobilization of As from low sulfide filtered tailings | Eléonore Lagae Capelle, Lucie Coudert, Isabelle Demers, Carmen Mihaela Neculita, Geneviève Pepin |
| Assessing SAR, InSAR and Multispectral Optical Data for Mapping Supernatant Pond Evolution | Élyse Gaudreau, Ajinkya Koleshwar, Kenny Yue, Pablo Blanco, Riccardo Tortini, Giacomo Falorni |
| Mutli-Test Approach To Determining Consolidation Parameters In Flocculated Tailings And Soft Soils | Ehsan Eidi, Ken Dickson, Arazoo Patel, Louise Whitham, Morgan Tizzotti, Paul Simms |
| The use of an O-pile System for Foundation Seepage Control during Tailings Dam Construction: a Case Study | Rui Couto, Siavash Farhangi |
| Optimization of Operations Based on Monitoring and Construction Quality Assurance at Minera Peñasquito | Christian Armstrong, Kenneth Rood, Eduardo Garcia, Patrick Mwamba |
| Seismic Imaging Techniques in Mine Closure Planning: Case Studies Across Multiple Abandoned Mines | Majid Mirzanejad, Zach Spence, Lincoln Steele, Will levandowski, Dan oconnell |
| Buttressing of Tailings Storage Facilities | Raquibul Alam, Ljiljana Josic |
| Water management and treatment modelling case study at an underground gold mine | Max Nodwell |
| Prediction of Pore Air and Water Pressure Propagation Induced by Extreme Rainfall in Tailings Dams | Simon Lorentz, Charne Theron |

TAILINGS AND MINE WASTE 2024

November 10-13, 2024 | Colorado, USA



| Title | Author(s) |
|--|--|
| The Critical State Line Parameters of Iron Ore Tailings from Basic Laboratory Tests: Updated Insights with Additional Data | Jose Ccotohuanca, Daniel Klassen |
| Holden Mine Post Closure Monitoring - A Statistical Method for Developing Trigger Action Levels | Summer Sun, Ray Dorow, Paul Pellicer, Mohammad Rashidi, Phillip Crouse |
| Game-changing technology for large scale filtered tailings | Oliver Whatnall, Sam Caldwell, Stuart Wilson, Ricardo Santander, Juan Ccarita |
| The application of 3D inclinometer in monitoring the performance of a TSF near an active mine pit | Zhen Ran Yung, Anna Zhan, Stephen Darmawan, Rudy Moniaga |
| Shear Strength Characteristics and Joint Envelopes of Compacted Unsaturated Fine-grained Bauxite Residue | Hua Tian, David Williams, Keith Mandisodza |
| Characterizing Creep Behaviour of a Fine-Grained Zinc Pressure Leach Tailings | Jade Chung, Adrian Wightman, Stephanie Alexander |
| The devil is on the details: large-scale use of the inverse velocity method for real-world geotechnical monitoring by means of satellite InSAR | Nicholas Marino, Luciano Assis, Beatriz Friguetto |
| Enhancing Tailings Dam Foundation Assessment: A SHANSEP Approach for a Brazilian Alluvium Soil | Carlos Besso, Sérgio Capellão, Marcus Vinicius Lima Dias, Rodrigo Marinaro |
| Integration of multi sensing technologies for the monitoring of tailing storage facilities | Vincent Le Borgne, Adam Dulmage, Josh Sun, Evan Davison, Divya Sekhar Vaka, Skevi Perdikou |
| Orphaned and Abandoned Mines in Manitoba: From Identifying Hazards to Achieving Closure | Mohammad Ahmeduzzaman, Dami Adedapo, Cory Graham |
| Interpretation of cyclic DSS testing under static bias on underflow copper tailings | Alfonso Cerna-Diaz, Kevin Ritter, Jason Hilgers |
| Beyond HR: Embedding GISTM Principle 11 in Leadership for Transformative Tailings Management | Johan du Toit, Fernando Damasio |
| Integrated Analysis of Dam Surface Displacement Monitoring | Felipe Bolivar Domingos, Alessandra Mazon, Jefferson Barbosa |
| Monitoring tailings saturation at a TSF using tensiometers and laboratory SWCC | Mahmoud N. Hussien, Vu Tran, Eric Cloutier, Soumia Elmansouri |
| Mechanical Response of Plastic Fine Tailings Under Constant Shear Drained Loading | Luis Vergaray-Astupina, Jorge Macedo |
| Global Industry Standard on Tailings Management (GISTM). Some Aspects of Implementation | Marcelo Barbosa, Lucas Brasil, Flavia Pereira, Denise Capanema, Marina Borges |
| Preliminary assessment of the environmental impacts of artisanal gold mining: the case of the Kashozi mining site, South Kivu, DRC | Akonkwa Mudekuza Kepler, Alex Kalonji Kabambi, Bwemere Ciribuka Grace |
| Feasibility of Repurposing Wood Processing Waste as an Industrial Liner Material | Robyn Gaebel, Heidi Cossey, Ali Nasser-Moghaddam, Kristin Salzsauler |

TAILINGS AND MINE WASTE 2024

November 10-13, 2024 | Colorado, USA



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| Title | Author(s) |
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| Geotechnical controls for piles of filtered iron ore tailings | Danilo Manata Eloi, Rodney Silva, Miguel Paganin, Letícia Cedro, Gricor Channakian, Mateus Leite, Felipe Bonucci, Mateus Leite, Adriele Santos |
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