Preliminary Technical Program

Time Zone Santiago, Chile. GMT -3 | English-Spanish-Portuguese Interpretation Available in all Technical Sessions

Tuesday, September 29

The parallel technical sessions will begin at 8:30 a.m. on Tuesday, September 29.
The session distribution and times will be announced during the first week of September.

	INAUGURAL CEREMONY
	Welcome Words
18:20	**Mimy Mackenzie,** Conference and Publications Manager, Gecamin, Chile **Hugo Quelopana**, Tailings 2026 Program Director; Engineering Manager, Gestiona Consultores, Chile **James McPhee,** Tailings 2026 Co-Organizer, Professor, AMTC, Universidad de Chile **Álvaro Videla,** Tailings 2026, Co-Organizer, Director, Departamento de Ingeniería de Minería, Pontificia Universidad Católica de Chile **Guilherme Gomes,** Tailings 2026 Co-Organizer, Professor, Universidade Federal de Ouro Preto, Brazil **Linda Figueroa,** Tailings 2026 Co-Organizer, Professor, Tailings Center, Colorado School of Mines, USA
	Opening Talk
19:00	**"Built to Last: Long-Term Governance and Stewardship of a Tailings Management System"** **Katie Kruger**, Manager of Tailings, Crushed Leach, and Water Freeport-McMoRan, USA
19:30	**Welcome Reception**

Wednesday, September 30

PLENARY SESSION 1

11:00	ENG **"Beyond Compliance: Implementing GISTM With a Focus on Effectiveness"** **Scott Martens**, Technical Director, Tailings and Geotechnical Engineering, Teck Resources, Canada	Teck
11:30	ENG **"Circular Mining at Scale: Transforming Tailings into Strategic Assets at Vale" (TBC)** **Geraldo Paes**, Corporate Geotechnical Director, Vale, Brazil	VALE

PLENARY SESSION 2

12:20	SPA **"The Consolidated Mining Standard Initiative (CMSI): Unifying the Future of Tailings Management" (TBC)** **Tabatha Chávez**, Innovation Manager, International Council of Mining and Metals (ICMM), UK	ICMM
12:50	SPA **"Breaking the Scale Barrier: Implementing Large-Scale Filtered Tailings to Improve Water Recovery and Geotechnical Stability"** **Claudio Román**, Principal Geotechnical Engineer, Ausenco, Chile	Ausenco

Thursday, October 1

PLENARY SESSION 3

11:00

SPA

"The GTMI: Strengthening the framework for an Independent Standard"

Jerónimo Covacevich, Head of Tailings and Processing Excellence, BHP, Chile

11:30

SPA

Title to be Confirmed

Designated by BGC Engineering

PLENARY SESSION 4

12:20

SPA

"Cerro Verde TSFs: Leading Water Recovery and Tailings Stewardship in the Region "

Liliana Gutiérrez, RTFE Manager (Responsible Tailings Facility Engineer), SM Cerro Verde, Freeport-McMoRan, Peru

12:50

SPA

"From Monitoring to Decision-Making: Advancing Integrated Tailings Management Across Operations Confirmed" (TBC)

Silvana Dal Pozzo, Tailings Manager, Antofagasta Minerals, Chile (TBC)

Received Articles

(197 articles as of June 18)

Represented Countries (18): Argentina, Australia, Brazil, Canada, Chile, Cyprus, Denmark, France, Germany, Peru, Poland, Saudi Arabia, South Africa, Spain, Suriname, Sweden, UK and USA

GEOTECHNICS AND DAM SAFETY (53 articles)

1. **(A01) Stress Paths, Time Effects, and Monitoring Interpretation in Tailings Facilities**
   Priscilla Nelson, Colorado School of Mines, USA
2. **(A11) Lessons Learned from the Design of Drainage Systems in Tailings Dams: An Approach to Dam Safety**
   Pablo Valdés and José Luis Illanes, ARDUM Ingeniería, Chile; and Enrique Siu, INGEOCONTROL, Chile
3. **(A26) Challenges and Opportunities in Coarse Tailings: Pressuremeters and AI**
   Rafael Martínez, José Quiroz and Maximiliano Jara, Pangea Geotecnia, Chile
4. **(A27) Seismic Response of an Earth-fill Dam to Crustal Earthquakes: A Parametric Study**
   Edward Escudero, SRK Consulting, Peru; and C. Gonzales, Universidad Nacional de Ingeniería, Peru
5. **(A28) Influence of Construction Stages on the Settlement of Tailings Dams in PLAXIS 2D**
   José León, Felipe Rojas and Denys Parra, Anddes, Peru
6. **(A32) Probabilistic Slope Stability Analysis of Tailings dams: A Case Study**
   Brahian Román, Melannie Espinoza and Martín Villanueva, SRK Consulting, Peru
7. **(A42) Effect of Constitutive Model Selection on Trigger Analyses in Tailings Storage Facilities**
   Franco Orabona, Universidad de Buenos Aires, Argentina; Nicolás Tasso, WSP Australia; and Felipe López, WSP, Argentina
8. **(A44) Performance KPI Evaluation Associated with the Tailings Storage Facility Embankment**
   Humberto Collado, Rodrigo Valenzuela and Ignacio Pino, JRI Ingeniería, Chile
9. **(A45) Influence of the Damping Model on the Seismic Response of Tailings Dams**
   Agustín Toro, Cristian Monje and Sebastián Maureira, WSP, Chile
10. **(A46) Numerical Effect of Including Vertical Seismic Motion in the Stress-Strain Analysis of a Tailing Dam**
    Rodrigo Maluenda and Cristian Monje, WSP, Chile
11. **(A49) Evaluation of Strength Parameters in Soils and Tailings Based on EC7-2G Statistical Approaches**
    Jonathan Ybáñez, Felipe López and Lisandro Roldán, WSP, Argentina
12. **(A50) Assessing the Correlation Between Seismic Intensity Measures and Tailings Dam Displacements: A Numerical Study**
    Nicolás Di Giovanni, Felipe López, Nicolás Tasso, Marcelo Martínez and Jonathan Ybáñez, WSP, Argentina
13. **(A60) Impact of Open-Pit Blast-Induced Vibrations on Adjacent TSF Performance: Field Monitoring and Analytical Assessment at Rosebel Gold Mines**
    Andra Putra and Cecilia Mata, Zijin Rosebel Gold Mines, Suriname

14. **(A64) Scaling Hydraulic Dewatered Stacking toward a Field Demonstration at Sossego: From UFOP to On-Site**
    Gustavo Belotto, Rafael Santos, Jean Lima, João da Costa, Henrique Guerzoni, José Costa, Romulo Reis, Jason Hall, Vale Base Metals, Brazil; and Ricardo Fiorotti, Universidade Federal do Ouro Preto
15. **(A65) Effect of Gradation and Salinity on Density States of Saline Soils for Tailings Dam Foundation Assessment**
    Josefa Silva, Sergio Carrasco, Universidad Técnica Federico Santa María, Chile; and Gonzalo Suazo, GHD, Chile
16. **(A66) Cyclic Resistance Characterization of Borrow Sands Using Cyclic Direct Simple Shear Test**
    Alan Reyes, Scarlet Frez, Matías Bravo-Zapata, Catalina Fuentes, Wendy Valenzuela and Héctor Fuentes, IDIEM, Chile
17. **(A74) Alternatives Study: Copper Tailings Disposal System for a Greenfield Project in the Brazilian Amazon**
    Jean Lima, João da Costa, Henrique Guerzoni, Rafael Santos, Gustavo Belotto and José Costa, Vale Base Metals, Brazil; and Thiago Gomes and Elisa Silveira, DF+ Engineering, Brazil
18. **(A75) Comparative Assessment of the Liquefied Strength Ratio 〖(S〗_(u,liq)/σ_v0^') from CPTu Correlations and Flow-Failure Case History Back-Analysis in Chilean Tailings Facilities**
    Matías Morales, Sergio Carrasco, Cristian Monje and Gonzalo Suazo, Universidad Técnica Federico Santa María, Chile
19. **(A76) Estimation of the Site Effect for a Filtered Tailings Storage Facility and Its Influence on Physical Stability**
    Katherine Ascencio, Compañía Minera del Pacífico, Chile; and Paz Esparza, Valeria Miranda and Héctor Huenchulao, E-Mining Technology, Chile
20. **(A80) Effect of Fines content on the Critical State Behaviour of Cycloned Tailings Sands**
    Pedro Mendoza, David Rodríguez, Jaime Tello and Jorge Chávez, WSP, Peru; and Franklin Olaya, Pontificia Universidad Católica del Perú
21. **(A85) Comparative Analysis Between 2D and 3D Modelling of a Dam Cross-Section**
    Mateus do Libano, Fernanda Martins and Danielle Araújo, Vale, Brazil
22. **(A88) Influence of Relative Density on the Cyclic Behaviour of a Sand-Like Foundation in a Tailings Dam**
    Víctor Puyen, Sebasthian Farfán, Brenda Carrasco and Pedro Mendoza, Ausenco, Peru
23. **(A94) Managed Access to Tailings Dams Under Emergency Level 2**
    Danielle Araújo, Mateus do Libano, Fernanda Martins, Alexandre Cristino and Atila dos Santos, Vale, Brazil
24. **(A97) Chemical Environment Effects on the Long-Term Performance of Geogrids in Tailings Applications**
    Lizeth Ardila and Cristina Schmidt, HUESKER, Brazil; and Oliver Detert, HUESKER, Germany
25. **(A98) Defining a Minimum Viable Solution (MVS) for Integrated Geotechnical Monitoring Systems Aligned with GISTM Requirements**
    Danielle Menezes, BHP, Brazil
26. **(A101) Stochastic Characterization and Probabilistic Stability of a Tailings Dam on Lacustrine Clay**
    Francesco Franco and Denys Parra, Anddes, Peru
27. **(A105) Quantified Geochemical Depletion: A Mass-Domain Reading of Humidity Cell Tests for Mine Closure**
    Marcelo Rocco, Jesús Costa and Mckevin Canicoba, Anddes, Peru

28. **(A106) Influence of Crest Width on the Stability of a TSF With Centerline-Raise Dam**
    Charbel Chapana, WSP, Chile; and José Ale, WSP, Peru
29. **(A111) Static and Seismic Slope Stability Under Uncertainty: A Probabilistic Performance-Based Design Approach for a Tailings Embankment**
    Alan Figueroa, Sebastián Araya and Dennis Raddatz, Stantec, Chile
30. **(A112) Deviations in Relevant Geotechnical Activities and Their Impact on Quality**
    Luis González and Rodrigo Ramírez, WSP, Chile; and María Hernández, WSP, Argentina
31. **(A113) Normalization of Deviation and Other Human Errors Affecting the Safety of Tailings Storage Facilities**
    Luis González and Rodrigo Ramírez, WSP, Chile; and María Hernández, WSP, Argentina
32. **(A119) Effective-Stress Modeling Liquefaction-Driven Deformations in a TSF and an Embankment: Insights from Two (Mw 5.7 and 9.0) Earthquakes Case Histories**
    Alfonso Cerna, Osmar Charca, Zana Karimi and Lisa Yenne, AECOM, USA; and Katerina Ziotopoulou, University of California, Davis, USA
33. **(A121) Strength Gain of Fine Tailings Resulting from Secondary Compression**
    Iván Contreras, Barr Engineering, USA
34. **(A125) Not Just Subduction: Integrating Active Faults into Seismic Hazard Assessment for Tailings Storage Facilities in the Central Andes**
    Carlos Benavente, BE. Earthwise, Peru; and Alan Hull, Hull Seismic Review, USA
35. **(A133) Bayesian Inference of Critical State Line and Shear Modulus Parameters in Silty-Sand Tailings**
    Alexandre Vilaça and Guilherme Gomes, Federal University of Ouro Preto, Brazil; Bruno Delgado, WSP, UK; and Matheus Rabelo, Independent Engineer, Brazil
36. **(A135) High-Confinement Response of Copper Tailings: A Review of Experimental Evidence and Critical State Interpretation**
    Sergio Villalobos, Pares & Alvarez, Chile; and Nilo Consoli and Lucas Festugato, Universidad Federal de Río Grande del Sur, Brazil
37. **(A136) Evaluation of 3D Effects on the Factor of Safety of Translational Failures in a Heap Leach Pad**
    Víctor Rosales, Mario Paico and Waldo Huallanca, Anddes, Peru
38. **(A145) Numerical Modeling of the Decharacterization of an Upstream-Raised Tailings Storage Facility**
    André Lima and Ana Luiza de Oliveira, TPF Engenharia, Brazil; and Jeanne Castro, Vale, Brazil
39. **(A148) Assessment of Flow Liquefaction Susceptibility in Mine Tailings Using State Parameter and CPTu Data**
    Miguel Bernilla, Miguel Santaria, Luis Neyra, Ronald Landa and Denys Parra, Anddes, Peru
40. **(A154) Validation of Calibration and Cross-Verification of Electric Piezometers during Reinforcement Works of an Iron Ore Containment Dike in the Quadrilátero Ferrífero Region – Minas Gerais, Brazil**
    Jarleson Andriao, Nathalia Sena and Rodrigo Peres, Vale, Brazil
41. **(A161) Integrated Geotechnical Characterization for Risk-Based Tailings Management in Chile**
    Diego Cáceres, Mauricio Vásquez, Florencia Henríquez and Camila Lara, Ingemars Ingeniería, Chile
42. **(A166) Performance-Based Design in the Decommissioning of Tailings Dams**
    Juliana Meza, Valeria Armigliato, Nelson Motta, Waldemar Felitti, AECOM, Brazil; and Masood Kafash, AECOM, USA

43. **(A167) Mechanical Behavior of Processed Rare Earth Tailings Based on Triaxial Testing**
    Domenico Gontijo, João Caixeta, Ricardo Almeida, Daniel Fortuna and Frederico Oliveira, WSP, Brazil; Alexandre Vilaça, Federal University of Ouro Preto, Brazil; and Danilo Eloi, WSP, Canada

44. **(A171) Combined Drained and Undrained Shear Strength Envelope for Compacted Filtered Tailings at High Confining Stresses**
    Hainer Inga, Raúl Malacas, Erika Pariona and Denys Parra, Anddes, Peru; and Stefania Oliveira and Sabrine Rodrigues, BVP Geotecnia e Hidrotecnia, Brasil

45. **(A173) The Role of Historical CPTu Data in the Interpretation of Evolving Tailings Deposits**
    Darlis Devise, Concremat, Brazil; Maria Ribeiro and Felipe Castro, Vale, Brazil; Diego Babiss and Helena Nierwinski, Federal University of Santa Catarina, Brazil

46. **(A175) Shot-Tailings: Reuse of Tailings for Dust Control and Progressive Closure**
    Jorge López, Luis Morales and Álvaro Gutiérrez, Capstone Copper, Chile

47. **(A176) Can CPT See Fine Brittle and Sensitive Layers? On The Detectability of Thin Weak Laminae in Varved Glaciolacustrine Foundations**
    Mo Shahsavari and Alistair James, GeoXtra Solutions, Canada; and Fahimeh Naftchali, NewFields, Canada

48. **(A177) Comparison between Monte Carlo Simulation and Latin Hypercube Sampling for the Probabilistic Assessment of Slope Stability**
    Nilthson Noreña, Carlos Meza, Juliana Meza and Jimena López and Celso Romanel, Pontifical Catholic University of Rio de Janeiro, Brazil

49. **(A179) Brittleness Assessment of Cycloned Tailings Sand Based on Triaxial Tests within the Critical State Soil Mechanics (CSSM) Framework**
    David Rodríguez, Pedro Mendoza, Carmen Ayquipa and Jorge Chávez, WSP, Peru; and Franklin Olaya, Pontificia Universidad Católica del Perú

50. **(A192) Effect of Strength Parameter Uncertainty on Tailings Dam Stability**
    Thiago Dib, TBretas Consultoria, Brazil; and Isabele Bissoli, Ausenco, Brazil

51. **(A193) Yield Stress and Structural Reversibility of Iron Ore Tailings: A Multi-Test Rheological Approach**
    Neemias Dias, Patrício Pires and Edson Soares, Federal University of Espírito Santo, Brazil

52. **(A199) Water Retention Behaviour of Compacted Iron Ore Tailings: Effects of Density State and Fine Content**
    Luís Júnior, Jhonatan Borges and Tálita Nola, Federal University of Ouro Preto, Brazil; João Silva, Vale, Brazil; and Roberto dos Santos, Federal University of Viçosa, Brazil

53. **(A206) Comparative Evaluation of the Casagrande and Cone Penetration Methods for Determining the Liquid Limit of Mining Tailings**
    Anna Couto, Raianny Almeida, Kayky Lucas, Luís Júnior, Jhonatan Borges and Tálita Nola, Federal University of Ouro Preto, Brazil; João Silva, Vale, Brazil and Roberto dos Santos, Federal University of Viçosa, Brazil

GEOTECHNICAL ENGINEERING, DESIGN AND CONSTRUCTION OF WASTE ROCK DUMPS, STOCKPILES, AND MINING STOCKPILES (11 articles)

1. **(A47) Effect of Loading Protocol and Holding Time on Particle Breakage of Copper Tailings Sand Under High-Stress 1D Compression**
   Mauricio Vásquez and Sergio Carrasco, Universidad Técnica Federico Santa María, Chile
2. **(A63) Hydrogeotechnical Modeling of a Waste Rock Pile in an Open Pit in the Quadrilátero Ferrífero Region, Brazil**
   Hugo Alvarenga, Juan Huang, Marina Ribeiro, Water Services and Technologies, Brazil; and Rinaldo Afranio, Fabiane Ferrer, Camila Queiroz, Weslley de Souza and Frank Pereira, Vale, Brazil
3. **(A77) Construction Quality Assurance (CQA) in Tailings Storage Facilities**
   Gustavo Vásquez, Camilo Cornejo, Matías Valenzuela and Gonzalo Jara, Stantec, Chile
4. **(A82) Tailings Dam Post-Decharacterization Stability: Transient Flow and Numerical Limit Analysis**
   Carlos Conegundes, Guilherme Gomes, Universidade Federal de Ouro Preto, Brazil; and David Juajinoy, University of São Paulo, Brazil
5. **(A93) Technological Management of a Filtered Tailings Pile Located in the Iron Quadrangle: Challenges and Opportunities**
   Rafaela Saar, Rodney Silva, Vera Nascimento and Elder Sant'anna, Vale, Brazil; and Wallace Barros, BVP, Brazil
6. **(A146) Evaluation of Seismic-induced Liquefaction Using Equivalent Signal Parameters in Contractive Soils**
   Mario Paico, Víctor Rosales and Ronald Landa, Anddes, Peru
7. **(A153) Overview of Hypothetical Failure Studies for Filtered Tailings Stockpiles, Waste Rocks and Co-Disposal**
   João Tavares, Vale, Brazil
8. **(A178) Co-disposal and Shared Disposal of Waste Rock and Tailings: Operational and Design Implications**
   Talita Bergamaschi and Lucas Machado, HIDROBR, Brazil
9. **(A191) Heap Leach Liners: Laboratory Testing and Design Challenges**
   Keda Cao and Alistair James, NewFields, Canada
10. **(A194) Validation of Failure Surfaces of a Heap Leach Pad in the Peruvian Andes Using LEM and SSR Method**
    Jimmy Tapia, Jean Minaya and Diana Machuca, Universidad Nacional de Ingeniería, Peru
11. **(A196) Influence of Modified Cam Clay and Hardening Soil Models on Failure Prediction of Heap Leach Pad by 3D Shear Strength Reduction Method**
    Jimmy Tapia, Jean Minaya and Diana Machuca, Universidad Nacional de Ingeniería, Peru

RHEOLOGICAL AND CHEMICAL ASPECTS (4 articles)

1. **(A116) The Rheological Modification Module: Maximizing Efficiency in the Transport of High-Density Tailings**
   Mauricio Villanueva, Sergio Ríos and Eduardo Salas, Southern Cone Technology, Chile; and Dragomid Araya, SNF Chile

2. **(A138) Assessing the Potential of Salt Water to Reduce Sodium Hydroxide Demand in Alkali-Activated Tailings for Backfilling**
   Mohsen Moeenian Far, Amin Hekmatnejad and Iván Navarette, Estefanía Loyola, Álvaro Videla, Pontificia Universidad Católica de Chile
3. **(A163) Chemical Improvements for Cycloned Sand Drainage in Tailings Dams: Comprehensive Assessment and Strategies for Large-Scale Operation**
   Claudio Vásquez, Andrei Chaura, Becky Rodríguez and David Romo, Paterson and Cooke, Chile
4. **(A184) Copper Mining Tailings in Portland Cement: Technical Feasibility and Regulatory Challenges**
   Roberto Romano, Markus Rebmann, Marcel Maciel, Mariana Lima, Alexandre Vidal, and Rafael Pileggi, University of São Paulo, Brazil

HYDRAULICS AND TRANSPORT (6 articles)

1. **(A23) Application of FLOW 3D Tailings Module for TSF Failure Hydrographs and Volume Predictions**
   Adolfo de Resende, WSP, Australia
2. **(A61) Assessment of USPED Model for Erosion and Deposition Mapping in Mining Waste Dumps**
   Bibiana Soares and André Rodrigues, Federal University of Minas Gerais, Brazil; Keila Dourado, Guilherme Rodrigues, Douglas Rodrigues, Barbara Batista and Antonio Fernandes, Vale, Brazil; and Francisco Rodrigues, Progen, Brazil
3. **(A115) Development of a Rainfall Simulator for Erosion Studies in Mining Areas**
   Jorge Luis Tarqui, Cristina Barreto, Bibiana Soares and Edna Viana, Federal University of Minas Gerais, Brazil; and Keila Dourado, Francisco Rodrigues, Douglas Rodrigues, Guilherme Rodrigues, Barbara Batista and Antônio Fernandes, Vale, Brazil
4. **(A159) Tailings Dam Wall Raising: Integrated Solutions for Extreme Fluid Pressures**
   Iván Donoso and Cristian Castillo, Fastpack, Chile
5. **(A183) When CFD Adds Value to Tailings Hydraulic Design: Four Practical Cases**
   Leonardo Olavarría and Pablo del Río, Paterson & Cooke, Chile
6. **(A201) Case Study: Paste Tailings Transport Optimization, Model Calibration and Concentration Sensitivity**
   Cristian Giner, Gonzalo Laciar, Cristian Bertolo and Alexander Manos, Knight Piésold, Argentina

SEEPAGE, WATER CONTROL AND WATER MANAGEMENT (9 articles)

1. **(A12) Seepage, Water Control and Water Management in Tailings Facilities for Operational Continuity**
   Pablo Bustamante, MARA Project, Glencore, Chile
2. **(A20) Jet Grouting Seepage Barriers: An Alternative for Tailings Storage Facilities**
   Macarena Ayarza, Pilotes Terratest, Spain; and Christian González, Pilotes Terratest, Chile
3. **(A29) Accelerated Degradation of Steel Pipes Due to Seepage Leachates**
   Francisco Scheihing, Cristián Cortés and Ana Ramos, Ausenco, Chile

4. **(A35) Optimizing Tailings Management of Large TSFs with Implementation of Mechanical Consolidation and Dewatering**
   Oscar Santiago and William McAdam, Phibion, Australia; and Rafael Menezes, Phibion, Chile
5. **(A36) Application of Oxygen and Deuterium Isotopes in the Evaluation of Groundwater Flow in the Foundation of Tailings Storage Facilities**
   Cleveland Silva and Lucas dos Santos, Alcoa, Brazil
6. **(A55) Rainfall Infiltration in a Waste Rock and Tailings Pile: Case Study in Minas Gerais, Brazil**
   Daniel Henriques, Henrique Mendes, Gabriel Pereira, Ana Yoda, Tractebel Engie, Brazil; and Isabella Viel and Luiza Morais, Vale, Brazil
7. **(A58) Thickener Retrofits: Improving Performance of Existing Equipment**
   Fred Schoenbrunn, Schoenbrunn Consulting, USA; and James Chaponnel, GKD, USA
8. **(A68) Evaluation of Infiltration Zones and Drainage Performance Using 3D Transient Modeling in a TSF**
   Roxana Ugaz, Erick Alvarado, Arnold Quispe and Aldair Quispe, Water Waste and Land, Australia
9. **(A186) Mineralogical Selection of Rocks for Internal Drainage in Tailings Structures**
   Isabele Bissoli and Wanessa Silva, Ausenco, Brazil; Leonardo Diamantino and Rogério Ribeiro, University of São Paulo, Brazil; and Thiago Dib, TBretas Consultoria, Brazil

DESIGN AND STUDIES OF TAILINGS STORAGE FACILITIES (CONVENTIONAL, THICKENED, PASTE, FILTERED AND CENTRIFUGED) (20 articles)

1. **(A05) Beyond Filter Presses: Exploring Sustainable Alternatives for Tailings Dry Stacking**
   Timo Dobler and Jürgen Hahn, Bokela, Germany
2. **(A07) Filtered Tailings: Risk Reduction Versus Risk Transfer**
   Nelson Amoah, SLR Consulting, Australia
3. **(A17) Stress-Strain Response to Paste Tailings Deposition Sequences: DEPIM Stage II Case Study**
   Nicolás Rodriguez, Grupo Minero Las Cenizas, Chile; Ricardo Valdebenito, Emmanuel Fuentealba, Gustavo Valdebenito, RVIA, Chile; and Adeline Delonca, Universidad Técnica Federico Santa María, Chile
4. **(A24) Analysis of the Mechanical Response of Compacted Iron Ore Tailings**
   Diego López, Júlio Azevedo, Sergio Marques, Nilo Consoli and Lucas Festugato, Universidade Federal do Rio Grande do Sul, Brazil; and Lessandro Franco, Marcus Dias, Dieggo dos Santos and Rodrigo Marinaro, Vale, Brazil
5. **(A43) Applying Multiple Accounts Analysis for Tailings Storage Facility Site Selection**
   James Alcorn, Masood Kafash and Braden Error, AECOM, USA
6. **(A53) Comparison of Stress-Strain and Limit Equilibrium for a Waste Rock and Tailings Pile in Brazil**
   María Borba, Daniel Henriques, Ana Yoda and Douglas Coelho, Tractebel Engie, Brazil; and Bruna Braga, Vale, Brazil
7. **(A57) Cyclic Liquefaction Assessment for a Tailings and Waste Rock Pile Foundation in Brazil Based on SPT**
   Daniel Henriques, Maria Borba, Ana Yoda, Douglas Coelho, Tractebel Engie, Brazil; and Bruna Braga, Vale, Brazil
8. **(A59) Hypothetical Failure: A Tailings and Waste Rock Stack Break Study in the Iron Quadrangle, Brazil**
   Daniel Henriques, Maria Borba, Gabriel Pereira, Ana Yoda, Douglas Coelho, Tractebel Engie, Brazil; and Bruna Braga, Vale, Brazil

9. **(A71) Advances in Sustainable Tailings Management: The Synergy Between Polymerization and Dewatering in Closed Systems (Geotextile Tubes)**
   Danilo Sampaio, Huesker, Brazil; and Eduardo Guanaes and Denise Urashima, Federal Center for Technological Education of Minas Gerais, Brazil
10. **(A90) Review on the Evolution of the Implementation and Scaling of Filtered Tailings Technology**
    Carlos Cacciuttolo and Sergio Avendaño, Knight Piésold, Chile
11. **(A95) CPTu-Based Vs Prediction in Tailings: A Comparative Study**
    Rafael Piton, Ezequias Oliveira, Darlis Devise, Felipe Castro, Jaqueline Bertella, Vale, Brazil; Robert Nagai, GWS Engenharia, Brazil; and Helena Nierwinski, Federal University of Santa Catarina, Brazil
12. **(A102) Self-Consolidation Effects in Unsaturated Filtered Tailings**
    Miguela Cabañas, JRI Ingeniería, Chile
13. **(A110) First Industrial Pilot Tailings Filtration Plant Constructed at 4,700 m.a.s.l.**
    Carlos Meléndez, Miguel Ángel Moreno and Jorge Carranza, Minera Chinalco, Peru
14. **(A130) Advancing Tailings Innovation: Global Trials, Emerging Technologies and Future Pathways**
    Louise McNab and Johan Boshoff, Gold Fields, Australia
15. **(A132) Assessment of CPT-Based Soil Classification in a Partially Saturated Tailings Storage Facility**
    Santiago Guivin and Daniel Jauregui, SRK Consulting, Peru; and Camilo Morales, SRK Consulting, Chile
16. **(A155) El Abra Expansion Project: Challenges in the Tailings Management System**
    Ricardo Yáñez and Claudio Cifuentes, Freeport McMoRan, Chile
17. **(A160) From Waste to Resource: Technologies for Zero Tailings Deposition**
    Waldo Aracena, Florencia Middleton, Vreni Caro, Felipe Concha and Millaray Hernández, Centro de Investigación en Minería Sustentable JRI, Chile
18. **(A181) Runout Calibration of a Failure Event Occurred in a TSF Using MPM and Mobilized Friction Reduction**
    Henrique Mendes and Fernando Azevedo, Ausenco, Brazil
19. **(A187) Enhancing Filtered Tailings Implementation via Comprehensive Upstream Process Integration**
    Juan Ccarita, Jord International, Peru; and Mario Saavedra and Oliver Whatnall, Jord International, Australia
20. **(A202) Multiple Account Analysis of Tailings Technologies to Define the Next TSF Stages**
    Cristian Bertolo, Gonzalo Laciar and Cristian Giner, Knight Piésold, Argentina

TAILINGS IN COMPLEX ENVIRONMENTS (8 articles)

1. **(A16) Plastic Concrete Cutoff Walls for Seepage Control in High-Permeability Soils: A Case Study in Tailings Dams**
   Christian González and Felipe Soto, Pilotes Terratest, Chile
2. **(A19) What Remains: Disaster Risk and Emergency Preparedness in a Chilean Mining Town**
   Nigel Wight, SMI Chile; and Jill Harris, Angelica Andrade and Deanna Kemp, CSRM, Sustainable Minerals Institute, University of Queensland, Australia

3. **(A41) Circular Economy Pathways for Tailings and Waste Rock: From Environmental Liabilities to Resources**
   Jéssica Castro, Sérgio Machado and Marco Antonio Casaes, Vale Base Metals, Brazil
4. **(A169) Tailings Storage Facilities in High-Rainfall and Seismic Environments: Design, Construction, Operational Challenges and Practical Approaches**
   Evelyn Arredondo, Sebastián Yáñez, Matías Silva and Gonzalo Suazo, GHD, Chile; and Jasna Zúñiga, GHD, Australia
5. **(A182) Tailings Stack Influence on a Shallow Tunnel in Soft Rock: Study in the Brazilian Lithium Valley**
   Daniel Henriques, Natália Silva, Rian Porto, Bruno Chaves, Ana Lúcia Yoda, Tractebel Engie, Brazil; and Gabriel Dimitrov, Lithium Ionic, Brazil
6. **(A197) Filtered Tailings at Industrial Scale: Global State of the Art, Technology Limits and Strategic Decisions**
   Edgar Quiroz, Frame, Peru
7. **(A198) Filtered Tailings at Scale: Strategic Decisions in Complex Environments**
   Edgar Quiroz, Frame, Peru
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