

ARTICLES APPROVED

(47 articles approved as of August 18, 2017)

Represented countries (19): Argentina, Brazil, Canada, Chile, Colombia, Denmark, Ecuador, France, Germany, Italy, Korea, Mexico, Panama, Peru, Slovakia, South Africa, Spain, United Kingdom, USA

Please note Geosynthetics 2017 accepts papers in both English and Spanish. The titles published here are in the original language in which they were received.

Por favor notar que Geosynthetics 2017 acepta trabajos en inglés y español. Los títulos publicados en este documento están en el idioma original en que fueron recibidos.

Plenary Presentations**(02)****(A63) Limit state design framework: geosynthetic-reinforced soil structures**

Dov Leshchinsky, ADAMA Engineering, USA

Title TBC

Luis Paredes, Jera Consultores, Chile

Geosynthetics modeling and design**(3 articles)****(A41) Ventajas de la membrana flexible (EPDM) para impermeabilización de reservorios de agua y biodigestores**

Tarcisio Noguera, Firestone Building Products, USA

(A42) Sistemas de contención de líquidos aplicados a minería e infraestructura: revisión de procedimientos de diseño y geosintéticos

Myriam Acevedo and Juan Manuel Cortes, Filmtex, Colombia

(A21) Coal ash disposition facility by using geotextile tubes

Matheus Müller and Delma de Mattos, Instituto Tecnológico de Aeronautica, Brazil; Daniel Fernández and Eduardo Guanaes, HUESKER, Brazil

Environmental benefits and sustainability**(2 articles)****(A52) Las pruebas de arco en geomembranas, además de una buena instalación, ¿es lo que faltaba para lograr “cero fugas”?**

Eduardo Bone, SENSOR, Chile; and Vladimir Nosko, SENSOR, Slovakia

(A54) Leaks per hectare detected for liners placed on different countries and facilities

Silverio Prota, Anddes, Argentina; Chris Baldyga, HGI hydroGEOPHYSICS, USA, Anddes, Peru

Testing and properties**(3 articles)****(A37) Determinación de la resistencia en la interfaz entre geosintéticos y materiales usados en muros de depósitos de relaves**

Gonzalo Jara, Julio Tejo y Juan Pablo Alarcón, Golder Associates, Chile

(A32) Statement on the long-term flow rate of tubular drainage geocomposites to landfill leachate

Pascal Saunier and Stephan Fourmont, Afitex-Textel, Canada; Eric Steinhauer, Sanborn, Head & Associates, USA

(A40) Analysis of the compressive strength of geofoam obtained by the uniaxial compression test

Leonardo Brandão and Ana Dias, Universidade Federal de Alagoas, Brazil; Claudenize da Silva, Instituto Federal de Pernambuco, Brazil

Monitoring and durability

(1 article)

(A44) Permanent electric leak location systems and their application on liquid containment tanks in the mining and landfill industries

Vladimir Nosko, SENSOR, Slovakia; and Jon Crowther, SENSOR, United Kingdom

Quality control and quality assurance

(3 articles)

(A27) Maximizing the effectiveness of electrical leak location for covered geomembranes

Julio Ferreira, TRI Environmental, Brazil; and Abigail Gilson-Beck, TRI Environmental, USA

(A61) Verificación permanente de la integridad del revestimiento impermeable y técnicas avanzadas para la instalación de geomembranas conductivas

Sergio Vaccaro, EMIN, Chile; Mauricio Ossa, GSE Environmental, USA

(A62) Conductive backed geomembranes for leak location surveys

Doyin Adesokan, Solmax, Canada; Dominic Berube, Solmax, Chile

Geosynthetics as formwork

(2 articles)

(A14) Nonwovens CPF liners provide for durable concrete structures

Mikael Moeller, Fibertex Nonwovens, Denmark

(A60) Pavimento articulado de hormigón con geoceldas utilizado para altas cargas de tránsito: experiencia en Chile

Susana Achurra, Felipe Halles and Simón Arriaza, ALTAVIA, Chile; Gabriel García, Universidad Técnica Federico Santa María, Chile

Innovations and new developments

(4 articles)

(A46) A modular approach for dune protection and shoreline stabilization in East Hampton, NY

Chris Timpson, TenCate Geosynthetics, USA

(A49) Innovative leak location technologies for large and complex tailing dams

Silverio Prota, Anddes, Argentina; Chris Baldyga, HGI hydroGEOPHYSICS, USA; Johann Melendez, Anddes, Peru

(A51) Efficiency and designing aspects of geotextile tubes for sludge dewatering in water treatment plants

Livia Avancini and Delma Vidal, Instituto Tecnológico de Aeronáutica, Brazil

(A55) Tondoned geocell systems protect geomembranes for tailings, landfill covers and basin containment

José George and Bryan Wedin, Presto Geosystems, USA

Heap leaching pads, tailings dams and mining process ponds

(8 articles)

(A02) Geomembranas para panelizar

Carlos Bone, Membrantec, Chile

(A18) Estabilidad de sistemas de barrera con geomallas

Daniel Fernández and Fernando Ruiz, HUESKER, Brazil

(A23) Stability analysis of a gold tailings dam lined with HDPE geomembrane

Ana Halabi, Karla Pimentel and Maria Gardoni, Universidade Federal de Minas Gerais, Brazil; Soraya Sampaio, Dam Projetos de Engenharia, Brazil

(A08) A bituminous geomembrane for leach pad construction

Bernard Breul, Axter, France; Joan Lazaro, Axter, Spain; and Emilio Escobar, Axter, Chile

(A09) Geonets and geogrids for tailings storage facilities

Aigen Zhao, GSE Environmental, USA; Angel Conde, Tensar, USA; Giselle Vega, GSE Environmental, Chile

(A17) Uso de geocompuesto como protección a la geomembrana en un pad de lixiviación con taludes muy empinados

Juan Soplin, Marsy Sánchez and Ronny Vidal, Anddes, Peru

(A38) Evaluación de la estabilidad de muros de arena de relaves con inclusión de liner basal para el control de filtraciones

Julio Tejo, Juan Pablo Alarcón y Gonzalo Jara, Golder Associates, Chile

(A50) Use of PVC geomembranes in mining

Adolpho Meldau and Afonso Moretti, Cipatex Group, Brazil

Dams, channels, ponds

(6 articles)

(A03) Back to the first large rockfill dam with an upstream Geomembrane Sealing System (Ospedale,1979)

Jean Pierre Gourc, University of Grenoble Alpes, France; Bernar Breul, Axter, France; Joan Lazaro, Axter, Spain; Emilio Escobar, Axter, Chile

(06) Bituminous geomembrane to reduce water losses in canals

Joan Lazaro, Axter, Spain; Emilio Escobar, Axter, Chile; and Bernard Breul, Axter, France

(A07) Parámetros relevantes de los geotextiles, funciones y aplicaciones: normativa europea y española

Javier Aguilar, Geotexan, Spain

(A10) Panama Canal expansion: lining of the water basins for the new locks with PVC exposed geomembrane system

Maurizio Leotta, MAPEI, Italy; Norma Rodríguez, MAPEI, Colombia; Hartmut Claussen, MAPEI, Chile

(A57) Sistema de captación de agua de lluvia para abastecimiento en una comunidad indígena

Erick Cervantes, Sandra Vázquez, Irleth Segura, María Hernández and José García, Instituto Mexicano de Tecnología del Agua, Mexico

(A05) Use of BGM in hydraulic construction: dams and reservoirs

Joan Lazaro, Axter, Spain; Emilio Escobar, Axter, Chile; Bernard Breul, Axter, France

Civil works, and seismic applications

(1 article)

(A39) Design with geofoam for a highway slope stability and comparison with other alternatives

Ana Dias and Leonardo Brandão, Universidade Federal de Alagoas, Brazil

Polymeric and clay geosynthetic barriers

(1 article)

(A16) Using geosynthetic clay liners for containment of bauxite liquor from aluminum refining

Sabrina Bradshaw, University of Wisconsin-Madison, USA; Kuo Tian and Craig Benson, University of Virginia, USA

Roadworks, maritimes and coastals, railroads, airport and landfills

(4 articles)

(A12) Anclajes en suelos hincados por percusión y su uso en cierre de depósitos de Residuos Sólidos Urbanos (RSU)

Helena Flor, AnclaBau, Ecuador; Frank Milchuk and Rory Knutsen, Platipus, USA

(A13) Use of geosynthetics in capping systems of landfills and contaminated sites

Daniele Cazzuffi, Stefano Filippini and Riccardo Mozzi, CESI, Italy; Domenico Gioffré, Mediterranean University of Reggio Calabria, Italy

(A30) Geobags para la protección de la socavación en las esclusas de Gatún: Canal de Panamá

Nicolás Ruiz, TenCate Geosynthetics, Colombia; and Antonio Abrego, Canal de Panamá

(A56) Geocompuesto en ampliación de calzada para evitar el reflejo de fisuras de juntas de base en recapeo asfáltico

Héctor Delbono, Enrique Fensel and Gerardo Botasso, Centro de Investigaciones Viales, Universidad Tecnológica Nacional, Argentina; David Pisano, FAMEIM, Argentina

Storage of waste and potable water

(1 article)

(A31) A new geomembrane for chlorinated water containment

Brian Fraser and Andrew Mills, Layfield, Canada; David Beaumier, SAGEOS, Canada

Soil reinforcement and erosion control

(1 article)

(A48) Aplicaciones del Sistema Multicomponente de Confinamiento GeoCelular en la minería

Jesús Cardozo, ANDEX, Peru

Embankments and soft soils

(2 articles)

(A22) Embankment construction on very soft sub ground by means of the self-regulation membrane foundation

Oliver Detert, HUESKER, Germany

(A11) Coastal erosion control using vinyl sheet piling in Maullín, Chile

Matt Hasseler and Brendan Sheppard, Crane Materials International, USA

Reinforced walls and slopes

(3 articles)

(A01) Performance of a geogrid reinforced soil wall for a bridge abutment in Concepción during the 2010 Chile earthquake

Felipe Villalobos, Universidad Católica de Concepción, Chile; Maribell González, SECPLAN, Chile; Alejandro Méndez and Pablo Carrillo, EMIN, Chile

(A45) Analysis of mutual dependence and connectivity of reduction factor on long-term performance and durability of geogrids

Han-Yong Jeon, Inha University, Korea

(A64) Slope reinforcement and soil retention with anchors

Michael Jotzke, Gripple, USA

Others

(1 article)

(A47) Containment and dewatering of mine tailings with geotextile tubes at a silver mine in San Luiz Potosi, Mexico

Tom Stephens, TenCate Geosynthetics, USA; Ángel Díaz, Geomembranas y Geosintéticos, Mexico

ARTICLE DISTRIBUTION

Geosynthetics user companies

(1 article)

EMIN, Chile (1)
Canal de Panamá

Engineering and consulting companies

(16 articles)

Crane Materials International, USA (1)
AnclaBau, Ecuador (1)
Anddes, Peru (1)
HUESKER, Brazil (1)
HUESKER, Germany (1)
Ingeniería en Envases, Argentina (1)
TRI Environmental, Brazil (1)
Afitex-Textel, Canada (1)
Golder Associates, Chile (2)
CESI, Italy (1)

ANDEX, Peru (1)
Anddes, Argentina (2)
ALTAVIA, Chile (1)
ADAMA Engineering, USA (1)

Supplier companies

(20 articles)

Membrantec, Chile (1)
Axter, Spain (2)
Geotexan, Spain (1)
Axter, France (1)
GSE Environmental, USA (1)
MAPEI, Italy (1)
Fibertex Nonwovens, Denmark (1)
TenCate Geosynthetics, Colombia (1)
Layfield, Canada (1)
Firestone Building Products, USA (1)
Filmtex, Colombia (1)
SENSOR, Slovakia (1)
TenCate Geosynthetics, USA (2)
Cipatex Group, Brazil (1)
SENSOR, Chile (1)
Presto Geosystems, USA (1)
Solmax, Chile (1)
Gripple, USA (1)

Universities and research centers

(12 articles)

Universidad Católica de Concepción, Chile (1)
University of Grenoble Alpes, France (1)
University of Virginia, USA (1)
Instituto Tecnológico de Aeronáutica, Brazil (3)
Universidade Federal de Minas Gerais, Brazil (1)
Universidade Federal de Alagoas, Brazil (2)
Inha University, Korea (1)
Centro de Investigaciones Viales, Universidad Tecnológica Nacional, Argentina (1)
Instituto Mexicano de Tecnología del Agua, Mexico (1)