

TECHNICAL SESSIONS PROGRAMME

Monday 15th September

9:00-17:00

Short Course 1 – Room 3.3

Using geosynthetics to adapt to climate changes

1. Coastal and river protections
2. Runoff and erosion
3. Water managements (infiltration/pollutant control/waterproofing/networks/hydraulic structure upgrades)
4. Preservations of natural environments (containment of waste and pollutants/storage)

Short Course 2 – Room 3.4

Mechanical protection structures with geosynthetics

1. Introduction to reinforced soil slopes
2. Protections against avalanches and mudslides
3. Instability of rocky slopes
4. Vibration protections (seismic, industrial)
5. Coastal and river protections

Tuesday 16th September

GRAND THÉÂTRE

9:00-9:30

Opening Ceremony in Grand Theatre

9:30-10:30

Keynote Lecture: BENETTO ENRICO

A Safe and Sustainable by Design approach to geosynthetics development

Chair: Chungsik YOO

11:00-12:00

Committee DEI: FELLETTI DANIELA

Approach to Diversity, Equity and Inclusion. Awakening Perceptions: Challenging Minds to Lead with Empathy

12:00-12:45

Exhibition Opening



TECHNICAL SESSIONS PROGRAMME

ROOM 2.3+2.4

14:15-16:00

Session 1A - Sustainability and Durability (1)

Session chairs: LEPPÄNEN M., DAMIANS I.P.

Comparative environmental life cycle assessment of a temporary road, a study on behalf of the EAGM
EHRENBERG H., GRUBER J.

Geosynthetics, a key brick of the energy transition
WETZEL H., van HELDEN W., SØRENSEN P.A., MICOLLIER V.

Greener unpaved forest roads: costs and emissions analysis of solutions with an industrial byproduct and a geosynthetic
RODRIGUES D., MARTINS C., CARLOS D., PREISWERK S., MONTEZ P., MACEDO J., PINHO-LOPES M.

Comparative Life Cycle Assessment of a slope protection on a railway embankment
WITTL T., KLÜGEL S., VOLLMERT, EHRENBERG H.

Technical solutions for reducing CO2 footprint in MSE wall constructions
GRANDCLERC A., JOUSSELLIN T., Speaker : SAINT CLAIR M.

Sustainability assessment of liquefaction instability mitigation solutions for the World's highest observation wheel project in Dubai
PUTHIYA VEETIL J., TROVATO F., LUGLI G.

Effects of ageing in a saturated environment on the functional properties of hemp geotextiles
DABIRET S. A., ROURE, F., FARCAS F., MAKKI L., MAILLER P., REIFFSTECK P., VAN SCHOORS L.

16:30 - 18:15

Session 2A - Sustainability and Durability (2)

Session chairs: HEILI V., FRASER I.

Geosynthetic multilayered composite: innovative development, applications and life cycle assessment
FERRARA M., LUGLI G.

Potential release of microplastics from geosynthetic applications: a case study in Europe
CAZZUFFI D., De MEYER S., FONTANA F.

Potential microplastic release from gabion mattresses: a quantitative assessment
BROCCA G., MASOLA F., BORN M.P., SCHILLER S.

High performance and recyclable geosynthetic for stabilisation and platform reinforcement
NANCEY A., ABDELOUHAB A.

Geotextile durability by outdoor weathering and tensile creep: case study
ALVES GUIMARÃES M. G., URASHIMA D., URASHIMA B. M.

Evaluation of the degradation of polypropylene geotextiles under real coastal conditions and UV radiation exposure
WEYNEMI CAVALCANTE DOS SANTO E., LIZANDRA MARIA FERREIRA GURGEL L., FELINTO DE LIMA NETO F., ALEXANDRE NUNES DE FRANÇA F.

Water storages with PVC liners and floating covers
SADLIER M.



TECHNICAL SESSIONS PROGRAMME

ROOM 3.5+3.6

14:15-15:45

Session 1B - Testing, Quality (1)

Session chairs: GUERRA-ESCOBAR P., AURAY G.

Assessing the shear-strength properties of geomembranes textured using the spray-on technique

BLOND E., TARNOWSKI C.

Experience of a certification body with the quality of external testing in the certification process

HESSING C., RECKER C.

Laboratory tests on stabilization of railway ballast with geogrid

SOMOV D., PETRIAIEV A.

Dry abrasion evaluation of geotextiles with different test standards

FIERRO G.

Considering the deformation of nonwovens to follow the behavior on site

EHRENBERG H., RETZLAFF J.

Studies on the sound generated during the tensile test on nonwoven geotextiles

NICCOLAI F.

16:30 - 18:00

Session 2B - Testing, Quality (2)

Session chairs: BLOND E., DI BATTISTA N.

Development of shear resistance at cohesive soil – geotextile interfaces

MARKOU I., EVANGELOU E.

Evaluating the interaction between geogrid and recycled aggregate using pullout tests

KHAN A. R., DI EMIDIO G., DENIES N.

Influence of construction method on pullout resistance of polymeric strap reinforcement

MONCADA A., GIRBAU N., DAMIANS I.P., OLIVELLA S., BATHURST R. J.

Fibre reinforcement of a uniform sand: stress-penetration and stress-strain responses

MARTINS C., RODRIGUES D., CARLOS D., MORAIS S., MACEDO J., PINHO-LOPES M.

Design of unpaved forest roads - stress-strain response of a reinforced soil under triaxial conditions

CARLOS D., CAFÔFO O., MACEDO J., PINHO-LOPES M.

Enhancing reinforced soil performance: polymeric coated steel woven wire mesh and geogrid interaction in composites systems

BROCCA G., VICARI M., LUGLI G.



TECHNICAL SESSIONS PROGRAMME

ROOM 3.8 LE LOUNGE

14:15-16:00

Session 1C - Reinforcement applications (1)

Session chairs: ALEXIEW D., CENGIZ C.

Experimental studies on groups of stone columns with various shapes of geotextile

BAZZAZIAN BONAB S., LAJEVARDI S. H.

Design of geosynthetics for rigid inclusion ground improvement: a simplified analytical method

ALZATE A.M., SIMON B., BRIANÇON L.

Soil arching in geosynthetic and steel grid-reinforced pile-supported embankments

VAN EEKELEN S., SCHNEIDER M., HELL M., PANDREA P., SCHAUBER P., TOPOLNICKY M., MAKOWSKA K., ZACHERT H., BEZUIJEN A.

Experimental and numerical model in geosynthetic pile embankment

LAJEVARDI S. H., TARDAST A., BRIANÇON L., MIRHOSEINI S. M.

Piled embankments - Behaviour of geosynthetic basal reinforcement in condition of change of soft soil reaction

ŁOPATKA A.

On the construction rate of geosynthetic-reinforced and pile-supported embankments

MANGRAVITI V.

Lessons learned from the ASIRI+ project on the use of geosynthetics in load transfer platform

NANCEY A., BRIANÇON L.

16:30 - 17:45

Session 2C - Reinforcement applications (2)

Session chairs: ALZATE A. M., KOLLIOS A.

Microgrid reinforcement of scaled railway ballast

ANJOS R., NETO V., PINHO-LOPES M., POWRIE W.

Geogrid-stabilized eco-friendly aggregates for pavement base – quantitative assessment using bender element sensor technology

WANG H., KO H., KANG M., TUTUMLUER E., SHOUP H.

Compaction of a geotextile-reinforced sand contaminated with tyre microplastics

OZHAN H., YAVUZ M.

Ensuring the stability of high embankments on Ukrainian highways during reconstruction and repair using geosynthetic materials

GAMELIAK I., ZHURBA G., DIAKOVSKA T.



TECHNICAL SESSIONS PROGRAMME

GRAND THÉÂTRE

14:15-15:45

Session 1D - Design and Modelisation (1)

Session chairs: VILLARD P., GAUDIO D.

Effects of grains characteristics and geogrid shape and rigidity on the behavior of reinforced granular soil – 3D DEM study

EL AYOUBI A., EMERIAULT F., VILLARD P., SIBILLE L.

Laboratory tests and numerical studies of a geosynthetic reinforced pile-supported embankment

HU Y., BRIANÇON L., DIAS D.

Strength prediction models for fiber-reinforced soils under effective stress triaxial compression testing

BANTRALEXIS K.E., VASSOU A.G., MARKOU I.N.

Geosynthetic overlap for reinforced piled embankment : centrifuge modelling

THOREL L., GUEROIS M., DUBREUCQ Th., BLANC M.

Finite element modelling of geogrids in stabilisation function - comparison study

RIA ZAMARA K., LEES A., GORRILL B., KAWALEC J.

Numerical modelling of soil-reinforcement direct shear test with Mohr-Coulomb plasticity

XIAO S., DAMIANS I. P., HU W.

16:30 - 18:00

Session 2D - Design and Modelisation (2)

Session chairs: ZAMARA K., MIYATA Y.

Comprehensive overview of soil erosion control: design of anti-erosive geomats for effective slope stabilization

SANTOLI F.M., LUGLI G., TROVATO F.

Impact of structural intersections on reinforced soil structures: design and construction considerations

MASOLA F., TROVATO F., BROCCA G., VICARI M.

Numerical modelling of MSE walls subjected to strong earthquake motions

KORINI O.

Attenuation of environmental vibrations using geosynthetics

HERAULT A., JEAN P., JOLIBOIS A.

A numerical assessment of the influence of compaction on the seismic performance of Geosynthetic-Reinforced Earth retaining walls

GAUDIO D., CIOFFI L., MASINI L.



TECHNICAL SESSIONS PROGRAMME

Wednesday 17th September

GRAND THÉÂTRE

8:30-9:30

Keynote Lecture : WATN ARNSTEIN

Geosynthetics in the Northern countries: geotechnical and environmental challenges
WATN A., HOFF I.

Chair: Jie HAN

14:00-15:00

LMNS Lecture : MORACI NICOLA

Suitable design approaches for interfaces involving geosynthetics under various loading and flow conditions
MORACI N, CARDILE G., PISANO M., CARRUBBA P., CLORINDA MANDAGLIO M., BILARDI S.

Chair: Daniele CAZZUFFI

ROOM 2.3+2.4

9:30-10:45

Session 3A - Sustainability and Durability (3)

Session chairs: RIOT M., STOLTZ G.

Reuse and recycling of geosynthetics – Insights into an interdisciplinary research project for a circular economy
DEPENBROCK N., HEIMBECHER F., FLAMME S., EBBERT S., TAZL M.

Towards a collaborative circular European geosynthetic economy
DENOO F., DE MEYER S., ZAMORA S.

Recycling of geotextiles: a collaborative approach to enhance circularity in construction
GROEN G., GRUBER J.

Simple constitutive methods to represent the tensile response of a laboratory-aged nonwoven geotextile
PAULA A. M., CARNEIRO J.R., PINHO-LOPES M.

Investigation of durability of geotextiles tubes in marine conditions
CHEW S. H., SOH J. M., LIM Y. M., DENG J., TAN Y.G., YIM A., QUEK A., LIM D. J., LOW S., CHANG D.



TECHNICAL SESSIONS PROGRAMME

11:15 - 12:45

Session 4A - Mandatory European Framework for Geosynthetics - Beyond Sustainability

Session chairs: von MAUBEUGE K., DELMAS P.

Construction Products Regulation: environmental approach for geosynthetics

DELMAS Ph.

On going Work on the Mandatory requirements for geosynthetics

von MAUBEUGE K.

Geosynthetics - Assessment of Release of dangerous substances

HEILI V.

Geosynthetics - Environmental performance – product category rules

HENNING H.

Geosynthetics - Circular Economy – requirements: materials and products

FONTANA F.

Geosynthetics - Potential release of microplastics

FRASER I.

Discussions

von MAUBEUGE K.

Summary and conclusions

DELMAS Ph.

15:00 - 16:30

Session 5A - Sustainability and Durability (4)

Session chairs: VAN SCHOORS L., GISBERT T.

Long-term durability of HDPE geomembranes in mining: A non-parametric statistical approach

URASHIMA B. M., INUI T., DELEON L., RIBEIRO DUARTE A., URASHIMA D., SANTOS R.

Durability assessment of HDPE geomembrane in a concrete water supply canal: A 10-year case study

URASHIMA B. M., INUI T., DELEON L., CARVALHO URASHIMA D., MEUCCI D.

Comparative performance evaluation of smooth and textured white geomembranes under UV exposure

APARICIO-ARDILA M. A., LINS DA SILVA J.

Service life of bituminous geosynthetic barrier: accelerated ageing tests

HAHN W., KROH R., ZANZINGER H., ARMANI A., BREUL B., DOLEDEC E.

Durability of three PVC-P geomembranes during two years of accelerated ageing laboratory tests

STOLTZ G., AUBRIET J., BAMBARA G., SAUGER L., CHAMOLEY D., BOUTEILLE S.

Aging of PVC geomembranes for dams: monitoring of aging and end of service life

BORY O., CINTRACT J., MARTIN L.



TECHNICAL SESSIONS PROGRAMME

17:00 - 18:15

Session 6A - Sustainability and Durability (5)

Session chairs: APARICIO ARDILA M., GRIWELL F.

Determination of the reduction factors applied to polymeric coated woven steel wire mesh reinforcement according to German recommendation

MASOLA F., GUALANDI P., RIMOLDI P., SCHILLER P., VICARI M.

Durability analysis of High-Density Polyethylene geomembrane immersed in brine and tailings solutions

PAULSON S.

25 years of experience with a lysimeter system with geosynthetic clay liners

MULLER -KIRCHENBAUER A., EHRENBURG H.

Evolution of recycled construction aggregates (RCA) pH and its compatibility with geosynthetics

ABDELOUHAB A., NANCEY A., JANSE D.

Long-term performance of pet geogrids with LLDPE coating in alkaline conditions

LUGLI G., NAPOELONIE Q., SCOTTO M.

ROOM 3.5+3.6

9:30-10:45

Session 3B - Testing, Quality (3)

Session chairs: SZULC H., NANCEY A.

Laboratory investigation of geopolymer stabilized subgrade soil reinforced with Alkaline binder- coated Natural Jute Sheet

AAQIB A., SYED M., MUBASHIR A., UMAIR A.

Laboratory tests of the impact of stones on geotextile and calculation model

BEZUIJEN A.

Study of installation of prefabricated vertical drain through a geotextile tube bund

SOH J. M., CHEW S. H., LIM Y. M., DENG J., TAN Y. C., YIM A., QUEK A., LIM D. J., LOW S., CHANG D.

Interaction properties between cohesive soils and woven geotextiles – experimental and numerical analysis

SERBULEA M.-S.

Simulation and applicability evaluation of nonwoven geotextile composite for adsorption of cesium ions in radiation-contaminated soil

JEON H.Y., NAM G., CHA J.H.



TECHNICAL SESSIONS PROGRAMME

11:15 - 12:30

Session 4 B- Testing, Quality (4)

Session chairs: TROVATO F., BEZUIJEN A.

Geosynthetic Clay Liners, why hydraulic conductivity (k-value) is the wrong value for a tender
EHRENBERG H., NIEHUES C.

Parameters affecting the vertical deformations of GCLs during hydraulic conductivity tests
DEMIRCI N., ÖZDAMAR KUL T., ÖREN A. H.

Hydraulic conductivity of geosynthetic clay liner containing polymerized bentonite with low mass per unit area
ÖREN A. H., AYTEKIN T. C.

Semi-permeable membrane behaviour of conventional and enhanced Geosynthetic Clay Liners
BERNARDO D., DOMIZI J., FRATALOCCHI E., MAZZIERI F.

Laboratory procedures for the modification of soluble and exchangeable cations of geosynthetic clay liners
GUARENA N., MAZZIERI F., DOMINIJANNI A., FRATALOCCHI E., MANASSERO M.

15:00 - 16:30

Session 5B - Hydraulic applications (1)

Session chairs: OZHAN H., LEBON P.

Issues of steep sideslope liners that remain exposed and are later covered
THIEL R.

Performance of geosynthetics in methane oxidation systems
DI BATTISTA V., FILION S., CABRAL A.

Gas capture and extraction using multi-linear drainage composite
BANNOUR H., BEAUMIER D., FOURMONT S., Speaker : RIOT M.

Feedback on the long-term integrity of multi-linear drainage geocomposites installed on landfill final covers after 10 and 12 years of operation
RIOT M., CIUPERCA C., SAUNIER P., FOURMONT S.

Installation of geosynthetics at the Cerro do Lobo Tailings Storage Facility
BARROSO M., MANSO J., BRITO A., MARCELINO J., GALRAO R., OLIVEIRA M.

Raising waste storage facilities-design in line with the latest French recommendations
FAYE C., ABDELOUHAB A.



TECHNICAL SESSIONS PROGRAMME

17:00 - 18:15

Session 6B - Hydraulic applications (2)

Session chairs: BARROSO M., MORACI N.

First innovative and sustainable GCL-application in Dutch flood defence at Beesel

GERRITSEN R., BARDOEL J.W., DORST K., MEERKERK J.

Benefits in cost and environment for channel revetment with geocells

CARESSATO JUNIOR W., FIERRO G.

Central quay, Cardiff - regenerated concrete river bank

BERNARDINI P., GUERRA-ESCOBAR P., SAEED R., TAHIR M.

Innovation in reservoir design with bituminous geomembranes (BGM)

DALY N., DOLEDEC E., AGUIRRE T.

Climate resistance of GCL-reinforced sealing systems based on lysimeter testing

NIEHUES C., VOLLMERT L.

ROOM 3.8 LE LOUNGE

9:30-10:45

Session 3C - Reinforcement applications (3)

Session chairs: PINHO-LOPES M., TUTUMLUER E.

Enhanced evaluation methodology for asphalt reinforcement: methodological updates and laboratory testing protocols

SADEGHIAN M., VROMANS E., AURAY G.

Geogrids in road applications for mitigating reflective cracking: A case study from Portugal

NEVES J., CAETANO F., BEJA C.

Comparative analysis of thermal and mechanical degradation in glass fiber and PVA geocomposites in asphalt pavement

CASTRO DOS SANTOS P.J., DOS ANJOS E MELLO M., ALEXANDRE NUNES DE FRANÇA F., CLAUDIO MARQUES SILVA JÚNIOR F., FERNANDES AMORIM Ê.

Evaluation of geotextiles' stiffening function using accelerated pavement testing

SICHA G.

Instrumentation of geogrids using novel non-invasive electrical sensing

SHARP T., MIAS C., ZAMARA K., FOWMES G.



TECHNICAL SESSIONS PROGRAMME

11:15 - 12:15

Session 4C - Reinforcement applications (4)

Session chairs: HORNICEK L., THIEL R.

Use of asphalt interlayer multiaxial geocomposite to enhance an asphalt overlay fatigue performance and bottom-up cracking prevention in motorway rehabilitation project

GOLOS M., KORNACKA K., KAWALEC J.

Influence of different paving geosynthetics on crack growth phases and strain behaviour in asphalt overlays

CORREIA N.S., BERNARDINELLI A.L.C.S., SANTOS K.M., SHAHKOLAH A.

Steel geogrids performance and environmental impact in asphalt reinforcement

AURAY G., MEKKAOU A.

15:00 - 16:30

Session 5C - Reinforcement applications (5)

Session chairs: MANGRAVITI V., LENART S.

Stabilisation and bearing capacity improvement of granular platform

NANCEY A., ABOU CHAZ N., BRIANÇON L., VILLARD P., SILVANI C.

The role of mechanically stabilized base on the performance of top asphalt layer

HORNICEK L., RAKOWSKI Z., KAWALEC J., POSPISIL J.

Research on geogrid stabilisation of paved and unpaved roads

LUGLI G., RIMOLDI P., SPADARO G., TROVATO F.

Case studies of use of multiaxial stabilisation geogrids in heavy duty pavements

MAZUROWSKI P., ZAMARA K.

Advanced multi-composite products for road stabilization: a comparative design and LCA analysis

TROVATO F., PUTHIYA V. J., LUGLI G., RIMOLDI P.

Refinement of the design method for geogrid stabilisation of railway ballast and subballast

RIMOLDI P., TROVATO F.



TECHNICAL SESSIONS PROGRAMME

17:00 - 18:15

Session 6C - Reinforcement applications (6)

Session chairs: VAN EEKELEN S., RIMOLDI P.

Design of GRS bridge abutment using river debris as backfill material

LENART S., KARUMANCHI S. R.

Design and construction of non-load bearing reinforced soil bridge abutments for high speed two to span over large diameter sleeve columns

DALWADI M., PERDIKOU S., DOULALA-RIGBY C., KAWALEC J.

History and performance of the first MSE walls reinforced with polymeric strips in Türkiye

OZCELIK H.

Influence of different construction methods on full-height precast facing reinforced soil walls

MALEKMOHAMMADI K., DAMIANS I.P.

The stabilisation of a cut slope utilising percussion driven earth anchors

HARRIS E.

GRAND THÉÂTRE

9:30-10:45

Short Course on geosynthetics in French

GISBERT T., GOURC J.-P., HEILI V.

11:15 - 12:30

Session 4D - French session

Session chairs : VARAIN K., MEYDIOT V.

Géosynthétique haute performance et recyclable pour la stabilisation et le renforcement de plateforme

NANCEY A., ABDELOUHAB A.

Effets d'un vieillissement en environnement saturé sur les propriétés fonctionnelles des géotextiles en chanvre

DABIRET S. A., ROURE, F., FARCAS F., MAKKI L., MAILLER P., REIFFSTECK P., VAN SCHOORS L.

Techniques de renforcement par géosynthétiques d'un glissement de terrain

KHELIFI M., ZERMANI M.

Vieillissement des géomembranes en PVC utilisées dans les barrages : suivi du vieillissement et de la fin de durée de vie

BORY O., CINTRACT J., MARTIN L.

Amélioration de la portance d'une plateforme par inclusion de nappes géosynthétiques

CHERIFI F., TABTI S.



TECHNICAL SESSIONS PROGRAMME

15:00 - 16:30

Session 5D - French session

Session chairs : FARCAS F., MAGNAN J-P.

Réhausse des installations de stockage des déchets (ISD) – conception selon les dernières recommandations françaises

FAYE M.C., ABDELOUHAB A.

Utilisation des géosynthétiques dans le cadre des travaux de « digues » du site pilote écrêteur de crue Seine-Bassée

VALENZIANO A., LAUGIER P.

Amélioration des sols par inclusions rigides et apport des géosynthétiques

HAMIDECHI BOULMAALI T., TABTI S.

Effets des caractéristiques des grains et de la forme et rigidité des géogrilles sur le comportement des sols granulaires renforcés – étude DEM 3D

EL AYOUBI A., EMERIAULT F., VILLARD P., SIBILLE L.

Recouvrement des géosynthétiques pour remblais sur pieux renforcés : modélisation en centrifugeuse

THOREL L., GUEROIS M., DUBREUCQ Th., BLANC M.

Modélisation numérique des murs renforcés mécaniquement soumis à de fortes sollicitations sismiques

KORINI O.

17:00 - 18:15

Session 6D - Case study competition

Session chair: RICCIUTI A.

Meldorf Pit Thermal Energy Storage (PTES), Germany

SOLMAX

Innovative geogrid-reinforced earth wall for the Rijnlandroute N206 Ir. G. Tjalmaweg, The Netherlands

HUESKER

Novel river training and landscaping applications of geosynthetic reinforced walls in the Hasankeyf Archeological Park in Turkey

MACCAFERRI

Lining the old canal du Verdon using an innovative and environmentally friendly solution with GCCM, France

CONCRETE CANVAS



TECHNICAL SESSIONS PROGRAMME

Thursday 18th September

GRAND THÉÂTRE

9:00-10:00

Keynote Lecture : BRIANÇON LAURENT

Geosynthetic reinforced soil : from the experimentation to design methods
BRIANÇON L.

Chair : Jean-Pierre GOURC

ROOM 2.3+2.4

10:30 - 11h45

Session 7A - IGS TC Sustainability

Session chair: ZAMARA K.

Chair's Introduction

Sustainability Considerations and the IGS Environmental Calculator

Contributors to "sustainability"

Standard approach to carbon counting: where do the numbers come from?

The IGS Environmental Sustainability Calculator and how to access it

Eurocode updates on sustainability assessment guidelines: application case in geosynthetic-based reinforced soil structures.

Assessing carbon savings on High Speed Rail project

Q&A

Speakers: ALLEN S., DAMIANS I.P., DALWADI M.J.

ROOM 3.5+3.6

10:30 - 11h45

Session 7B - Testing and Quality (5)

Session chairs: BACKES A.-L., HESSING C.

Comparing continuous filament and staple fibre geotextiles for geomembrane puncture protection
ALBERTYN M.

Experimental investigation of a PVC geomembrane response to different tensile loading modes
AKEL N., JOSSEAUME L., STOLTZ G., WAUTIER A., TOUZE N., NICOT F.

Internal temperature change of various types of geomembranes subjected to tensile test
TAHIR H., STOLTZ G., AKEL N., VEYLON G., PEYRAS L.

Effect of tensile load and temperature on bituminous geomembrane seams
BLOND E., GIROUD J.-P., SCHEIRS J.

Performance testing of strained BGM welds
KENDALL P., LLINAS P., HETTIHEWAHE M.



TECHNICAL SESSIONS PROGRAMME

ROOM 3.8 LE LOUNGE

10:30 - 11h45

Session 7C - Reinforcement applications (7)

Session chairs: JENCK O., ABDELOUHAB A.

Oosterweel connection - optical fiber monitoring of a 17 meter high reinforced fill structure

DENIES N., VAN BREUSEGEM M., COUCK J., VAN DER PLOEG J., LAUWERS N., DE MAESSCHALK S., MASOLA F., RUIGROK J.

Geometric changes of reinforced soil walls: monitoring and impact on facing conditions during construction and using stage

MACHOWSKI M.

Numerical study on the performance of reinforced fill structure using marginal fill

KHAN A.R., DI EMIDIO G.

Green vegetated reinforced soil wall with geogrid and site won materials for Raleigh park, Barnstaple, U.K.

SAEED R., GUERRA-ESCOBAR P., BERNARDINI P., TAHIR M.

Slope protection using geosynthetic materials-a case study on the graveyard complex of Mataram Royal King

NURJANNAH D.A., ANINDITA N.A., HARNINTO D.S., BADRIZA A.SUBAGJA J.

GRAND THÉÂTRE

10:30 - 11h30

Session 7D - Design and Modelisation (3)

Session chairs: L. CARBONE, GOURC J-P.

Seismic performance of reinforced soil walls on the Big Almaty Ring Road in Kazakhstan

KUZNETSOVA A., ORLOV E., PARK S.

Selection of intensity measures for displacement prediction of geosynthetic reinforced soil walls under seismic loading

CENGİZ C., KILIC I.E., GULER E.

Effects of density of geofoam cushion on seismic performance of the retaining wall: experimental study

EDINÇLİLER A., DEMİRTAS B.S.

Design method for combined geocell and geogrid stabilisation of paved roads

RIMOLDI P.

11:45-12:30

Closing Ceremony in Grand Théâtre

