

EUROGEO 6 PROGRAMME

	ISTANBUL HALL	ANKARA HALL	IZMIR HALL	ANTALYA HALL
25 September 2016, Sunday				
14:00-19:30	REGISTRATION			
18:00-19:30	WELCOME COCKTAIL			
26 September 2016, Monday				
08:00-18:00	REGISTRATION			
09:00-10:00	OPENING SESSION Dr. Russel Jones-IGS President - Welcome Speech Prof.Dr. Erol Güler-IGS Turkish Chapter President and Congress Chairman - Geosynthetics in Turkey			
10:00-11:00	The first L.M.N.S. Lecture by Dr. Daniele CAZZUFFI "Evolution in Design of Geotextile Filters" Chairperson: Prof. Dr. Alan McGown			
11:00-11:30	COFFEE BREAK			
11:30-12:30	KEYNOTE LECTURE by Professor Jean-Pierre GOURC and Professor Philippe DELMAS "The Behaviour of "Alive" Earthworks with Geosynthetics after Several Decades" Chairperson: Dr. Dimiter Alexiew			
12:30-14:00	LUNCH			

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	ISTANBUL HALL	ANKARA HALL	IZMIR HALL	ANTALYA HALL
	<p>Technical Session 1 Reinforced Walls and Slopes Chairperson: Edoardo Zannoni</p>	<p>Specialty Session 1A Geosynthetic Barriers Organized By: Kent von Maubeuge and Dr. Nathalie Touze-Foltz</p>	<p>Technical Session 2 Properties and Testing Chairperson: Helmut Zanzinger</p>	<p>Technical Session 3 Durability Chairperson: Dr. Sam Allen</p>
14:00-15:30	<p>NUMERICAL ANALYSIS OF FULL-SCALE MECHANICALLY STABILIZED EARTH (MSE) WALLS UNDER STRIP FOOTING LOAD Hamzeh Ahmadi¹, Adam Bezuijen¹ Ghent University Laboratory of Geotechnics Gent-Belgium¹</p>	<p>Introduction of IGS Committee TC-Barrier Systems, N. Touze-Foltz and K. P. von Maubeuge</p>	<p>LARGE DISPLACEMENT, CONSTANT CONTACT AREA GEOSYNTHETIC-SOIL INTERFACE DIRECT SHEAR TEST DEVICE Gökhan Baykal¹ Boğaziçi University Istanbul-Turkey¹</p>	<p>DURABILITY OF A POLYPROPYLENE GEOTEXTILE IN MARINE ENVIRONMENTS: 3 YEARS DATA José Ricardo Carneiro¹, Miguel Morais¹, Maria De Lurdes Lopes¹ University of Porto - Faculty of Engineering Civil Engineering Porto-Portugal¹</p>
	<p>GEOSYNTHETIC REINFORCED RETAINING WALLS AND BRIDGE ABUTMENTS - BASICS & PRACTICE Waldemar Pauls¹, Lars Vollmert¹, Stephan Westhus² BBG Bauberatung Geokunststoffe GmbH & Co. KG Espelkamp-Germany¹ NAUE GmbH & Co. KG Sales Department Espelkamp-Germany²</p>	<p>Regulations and Recommendations Describing the Use of Geosynthetic Barriers – A Brief Worldwide Summary K. P. von Maubeuge</p>	<p>CHARACTERISING THE SHORT TERM LOW-STRAIN RADIAL TENSILE BEHAVIOUR OF A MULTI-AXIAL GEOGRID Paul Stowel¹, Chaido Doukala-Rigby², Nick Thom³ Tensar International R&D Blackburn-United Kingdom¹ Tensar International Design Blackburn-United Kingdom¹ University of Nottingham Nottingham-United Kingdom¹</p>	<p>A COMPARATIVE STUDY ON THE OUTDOOR AND ACCELERATED WEATHERING TESTS FOR NON-WOVEN POLYPROPYLENE GEOTEXTILES Hyun-jin Koo¹, Hang-won Cho², Jung-taek Oh², Helmut Zanzinger² FTI Testing & Research Institute Overseas Business Division Seoul-Korea, South¹ FTI Testing & Research Institute Reliability Assessment Center Seoul-Korea, South² SKZ - German Plastics Center Product Certification Würzburg-Germany³</p>
	<p>REINFORCED SOIL USED TO REDUCE LATERAL EARTH PRESSURE ON UNDEGROUND FUEL SILOS Andrej Trombitas¹, Dave Woods² Low & Bonar Ivanka pri Nitre-Slovakia¹ Low & Bonar Hull-United Kingdom²</p>	<p>Protection Geotextiles for Geomembranes in European Landfill Applications H. Ehrenberg and G. Stoltz</p>	<p>PULLOUT BEARING FAILURE MECHANISM OF THE ANCHORED GEOGRID SYSTEM Mansour Mosallanezhad¹, Seyed Hossein Sadat Taghavi², Nader Hataf¹ Shiraz University Civil and Environmental Engineering Shiraz-Iran¹ Shiraz Branch, Islamic Azad University Young Researchers and Elite Club Shiraz-Iran²</p>	<p>CHARACTERISTICS OF SIX PVC-P GEOMEMBRANES INSTALLED IN RESERVOIRS IN THE SPANISH MEDITERRANEAN BASIN Manolo Blanco¹, R Solera¹, Jp Giroud², Modesto Perez-sanchez¹, Miguel Redon-santafe¹, Fj Sánchez-romero¹, Jb Torregros-soler¹, Fa Zapata-raboso¹ Cedex Laboratorio Central Estructuras y Materiales Madrid-Spain¹ IC Ocean Ridge JP Giroud Rigde-United States² Universitat Politcnica de Valencia Hidráulica y Medio Ambiente Valencia-Spain¹ Universitat Politcnica de Valencia Ingenieria Rural y Agroalimentaria Valencia-Spain⁴ Conselleria de Agricultura Irrigation Water Works Alicante-Spain⁵</p>
	<p>IMPROVED DESIGN FOR BRIDGE ABUTMENTS USING REINFORCED SOIL Lars Vollmert¹, Guido Meinhardt², Dylan Sipkema², Geurt Verhoeff³ BBG Bauberatung Geokunststoffe GmbH & Co. KG Espelkamp-Germany¹ Volker InfraDesign by Woerden-The Netherlands² KWS Infra BV Utrecht-The Netherlands³</p>	<p>Geosynthetic drainage and lining systems in piggy-back landfills F. Tano and N. Touze-Foltz</p>	<p>ANALYSIS OF PULLOUT BEHAVIOR OF T-SEC GEOGRID SYSTEM Mansour Mosallanezhad¹, Seyed Hossein Sadat Taghavi² Shiraz University Civil and Environmental Engineering Shiraz-Iran¹ Shiraz Branch, Islamic Azad University Young Researchers and Elite Club Shiraz-Iran²</p>	<p>ACCELERATED AGEING OF POLYPROPYLENE GEOTEXTILES IN AUTOCLAVES AT ELEVATED TEMPERATURE AND OXYGEN PRESSURE Sebastian Hausmann¹, Helmut Zanzinger¹, Clinton Mackenzie², Chris Els² SKZ - German Plastics Center Geosynthetics Würzburg-Germany¹ Kaytech GCL Atlantis-South Africa²</p>
	<p>EVALUATION OF METHODS TO COMPUTE VERTICAL STRESS FOR REINFORCED SOIL WALLS Tolga Tonguc Deger¹, Juan M. Pestana-nascimento² Istanbul Teknik Engineering Istanbul-Turkey¹ UC Berkeley Civil and Environmental Engineering Berkeley-United States²</p>		<p>PARAMETERS AND CONDITIONS AFFECTING FRICTION ANGLES IN GEOSYNTHETIC INTERFACES. Pietro Pezzano¹, Melissa Miuzzi¹, Paolo Carrubba², Paolo Giuseppe Pavanello², Nicola Moraci³ Officine Maccaferri S.p.A. Technical Department Zola Predosa-Italy¹ University of Padova ICEA Padova-Italy² Mediterranean University of Reggio Calabria DICEAM Reggio Calabria-Italy³</p>	<p>AGEING HDPE GEOMEMBRANES EXPOSED TO DIFFERENT CLIMATE CONDITIONS FOR 12 YEARS Madalena Barroso¹, Maria Da Graça Lopes², Amélia Reis¹ LNEC Geotechnics Lisbon-Portugal¹ ISEL Geotechnics Lisbon-Portugal²</p>
<p>A REVIEW ON THE USE OF MARGINAL FILLS FOR GEOGRID-REINFORCED WALLS AND SLOPES Anil Ekici¹, Nejan Huvaj¹ Middle East Technical University-Turkey¹</p>		<p>LONG TERM FILTER INTRUSION PHENOMENON IN SEVERAL TYPES OF DRAINAGE STRUCTURES Guillaume STOLTZ¹, Alain HERAULT² Irstea Recover Aix-en-Provence-France¹ Low and Bonar Antony Cedex-France²</p>	<p>EVOLUTION OVER TIME OF PVC-P GEOMEMBRANE USED AT BARLOVENTO RESERVOIR Manuel Blanco¹, Ana Marta Noval¹, María De Los Ángeles Crespo², Daniele Cazzuffi³, Jean Pierre Giroud⁴, Escolástico Aguiar⁵, Tatiana Vara⁵ CEDEX Laboratorio Central de Estructuras y Materiales Material's Department Madrid-Spain¹ Renolit Ibérica, S.A. Roofing Development Sant Celoni, Barcelona-Spain² CESI S.p.A. ISMES Division Milano-Italy³ JP GIROUD JP GIROUD Ocean Ridge-United States⁴ EPEL BALTEN EPEL BALTEN Santa Cruz de Tenerife-Spain⁵</p>	
15:30-16:00	COFFEE BREAK			

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	ISTANBUL HALL	ANKARA HALL	IZMIR HALL	ANTALYA HALL
	<p>Technical Session 4 Reinforced Embankments Chairperson: Dr. Yuli Doukala-Rigby</p>	<p>Specialty Session 1B Geosynthetic Barriers Organized By: Kent von Maubeuge and Dr. Nathalie Touze-Foltz</p>	<p>Technical Session 5 Properties and Testing Chairperson: Madalena Barroso</p>	<p>Technical Session 6 Lightweight Construction Chairperson: Dr. Ilknur Bozbey</p>
16:00-17:30	<p>BASAL REINFORCED PILED EMBANKMENTS (45 Mins. Presentation) Suzanne van Eekelen Deltares, The Netherlands</p>	<p>Barriers in coal ash applications in North America B. Ramsey</p>	<p>EVALUATION OF GRIPPING EFFECT ON STRAIN DISTRIBUTION IN GEOSYNTHETICS Asli Yalcin Dayioglu¹, Ahmet H. Aydilek² Istanbul Technical University Civil Engineering Istanbul-Turkey¹ University of Maryland Civil and Environmental Engineering College Park-United States²</p>	<p>SHEAR STRENGTH BEHAVIOUR OF GEOMATERIALS PREPARED USING EXPANDED POLYSTYRENE BEADS Vaishali Badwaik¹, Ram Rathan Lal Birali¹ K.I.T.S. Civil Engineering Ramtek-India¹</p>
	<p>GEOSYNTHETICS-REINFORCED EMBANKMENT ON ENGINEERED SLOPE Sabatino Cuomo¹, Prisco Gambardella¹, Lorenzo Frigo², Flavio Cosma³ University of Salerno Fisciano (SA)-Italy¹ Geosintex s.r.l. Sandrigo-Italy² Ediffloor s.p.a. Sandrigo-Italy³</p>	<p>Barrier systems for noise barriers with contaminated soils Thomas Egloffstein</p>	<p>TENSILE STRENGTH OF CEMENT-FIBER TREATED SANDS A.Erken¹, H.F.Ardabili¹, A.Özborar Tarhan², P.Güner Cantekinler² Istanbul Technical University, Turkey¹, Kordsa Global, Turkey²</p>	<p>EARTH PRESSURE REDUCTION ON BURIED PIPELINES USING GEOFOAM Abhinav Mane¹, Shubham Shete¹, Ankush Bhuse¹, Seema Gawali¹, Pooja Gore¹ DIEMS Civil engineering Aurangabad-India¹</p>
	<p>GEOSYNTHETIC ENCASED COLUMNS. BEHAVIOR OF A MODIFIED DESIGN MODEL WITH PARAMETRIC STUDIES. Zygmunt Meyer¹, Janusz Sobolewski², Andrzej Lopatka³ WEST POMERANIAN UNIVERSITY OF TECHNOLOGY IN SZCZECIN FACULTY OF CIVIL ENGINEERING AND ARCHITECTURE Department of Geotechnics Director of Department of Geotechnical Engineering Szczecin-Poland¹ HUESKER Synthetic GmbH Engineering Department Gescher-Germany² INORA Sp. z o.o. Technical Department Gliwice-Poland³</p>	<p>Development of a design guide for geosynthetics barriers, as part of the ISO design using geosynthetics development. P. Atchison</p>	<p>STRENGTH DEVELOPMENT AND FREEZE–THAW BEHAVIOR OF FIBER REINFORCED CEMENTED SAND Tugba Eskisar¹, Selim Altun¹ Ege University Civil Engineering Izmir-Turkey¹</p>	<p>PERFORMANCE OF HYBRID LIGHTWEIGHT SLOPE SYSTEM UNDER SEEPAGE A. Tolga Özer¹, Onur Akay¹ Okan University Civil Engineering Istanbul-Turkey¹</p>
	<p>STUDY ON THE USE OF CONSTRUCTION AND DEMOLITION RECYCLED MATERIALS IN CONSTRUCTION OF GEOSYNTHETIC REINFORCED SLOPES Castorina Silva Vieira¹, Paulo Miguel Pereira¹, Maria De Lurdes Lopes² University of Porto Civil Engineering Department Porto-Portugal¹ University of Porto Civil Engineering Departmen Porto-Portugal²</p>	<p>Continues improvement Geosynthetic Materials CQA/CQC installation H. Weidlich</p>	<p>A MODIFIED GRADIENT RATIO TEST FOR THE FILTRATION PERFORMANCE OF GEOTEXTILES Lafleur Jean¹ Ecole Polytech. CGM Montréal-Canada¹</p>	<p>THE USE OF EPS-BLOCK GEOFOAM AS LIGHTWEIGHT FILL IN FLAT ROOF APPLICATIONS: A CASE STUDY Hasan Aliyazicioğlu¹, A. Tolga Özer² Kamer İnşaat Istanbul-Turkey¹, Okan University Civil Engineering Istanbul-Turkey²</p>
			<p>ASSESSMENT OF THE LONG-TERM WATER FLOW CAPACITIES OF MONOFILAMENT STRUCTURES Alain Héralut¹, Sashikiran Reddy Sama² Low & Bonar Anthony Cedex-France¹, SKZ – Germany²</p>	<p>EFFECTS OF DIFFERENT SEISMIC CUSHIONS ON SEISMIC PERFORMANCE OF QUAY WALLS: NUMERICAL STUDY A. Edinçiller¹, Y. S. Toksoy¹ Boğaziçi University, Turkey¹</p>
			<p>REVIEW OF BIODEGRADABLE GEOSYNTHETICS IN ECO-FRIENDLY ENGINEERING APPLICATION Han-Yong JEON¹ Inha University Applied Organic Materials Engineering Incheon-Korea, South¹</p>	

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27 September 2016 Tuesday				
08:00-18:00	REGISTRATION			
09:00-10:00	KEYNOTE LECTURE by Professor Nicola MORACI "Geosynthetics Interface Properties Under Static and Dynamic Loads" Chairperson: Dr. Russel Jones			
10:00-10:20	COFFEE BREAK			
10:20-11:20	KEYNOTE LECTURE by Professor Martin ZIEGLER "Geosynthetic Reinforcement Applications" Chairperson: Prof. Dr. Jorge G.Zornberg			
11:20-11:30	BREAK			
11:30-13:00	Technical Session 7 Student Awards Chairpersons: Dr. Elif Callan, Dr. Hakkı Özhan	Specialty Session 2 Wrinkles, Bridging, and Ballasting Geomembrane During Liner Organized By: Dr. Ian Peggs	Technical Session 8 Reinforced Walls and Slopes Chairperson: Dr. Jacek Kawalec	Technical Session 9 Roads, Railroads and Other Transportation Applications Chairperson: Prof. Dr. Maria de Lurdes Lopes
	INVESTIGATION OF IMPACT BEHAVIOUR OF HDPE PIPES WITH GEOCELL PROTECTIVE LAYER Gunes Babagray ¹ , Sami Oguzhan Akbas ¹ , Ozgur Anil ¹ Gazi University Civil Engineering Ankara-Turkey ¹	Contributors - Ian D. Peggs - Adnan Ozdemir - Paul Guinard - Catrin Tarnowski - Richard Thiel - Michael Flynn	DEFORMATION OF GEOGRID REINFORCED RIVER BANK USING A LASER SCANNER Ian Scotland ¹ , Rebecca Reynolds ² , Graham Horgan ³ Huesker Limited Engineering Warrington-United Kingdom ¹ WYG Leeds-United Kingdom ² Huesker Limited Leeds-United Kingdom ³	RESISTANCE OF NONWOVEN GEOTEXTILES AGAINST MECHANICAL DAMAGE UNDER REPEATED LOADING AND ABRASION José Ricardo Carneiro ¹ , Maria De Lurdes Lopes ¹ University of Porto - Faculty of Engineering Civil Engineering Porto-Portugal ¹
	PHYSICAL MODELLING OF GEOSYNTHETIC-REINFORCED SOILS SPANNING VOIDS Talia S. Da Silva ¹ , Mohammed Z.e.b. Elshafei ¹ , Gopal S.p. Madabhushi ¹ University of Cambridge Department of Engineering Cambridge-United Kingdom ¹		CASE STUDY : HYBRID MSE WALL SYSTEM USED ON A HIGHWAY PROJECT IN TURKEY Hakan Özçelik ¹ TeknoMaccaferri- Turkey ¹	BEARING RATIO OF A FINE SOIL REINFORCED WITH GEOSYNTHETICS: INFLUENCE OF THE REINFORCEMENT TYPE AND THE SOIL WATER CONTENT David Carlos ¹ , Margarida Pinho-Lopes ² , Maria De Lurdes Lopes ³ University of Aveiro Civil Engineering Aveiro-Portugal ¹ University of Southampton Faculty of Engineering and the Environment Southampton-United Kingdom ² Faculty of Engineering, University of Porto Civil Engineering Porto-Portugal ³
	FE STUDY OF FAILURE MECHANISMS OF MODULAR BLOCK GEOSYNTHETIC REINFORCED SOIL RETAINING WALL: FROM CENTRIFUGE TESTS TO NUMERICAL ANALYSIS Carmine Gerardo Gragnano ¹ University of Bologna Dept. of Civil, Chemical, Environmental and Materials Engineering - DICAM Bologna-Italy ¹		GEOSYNTHETIC REINFORCED SOIL STRUCTURES - PROBLEMS FACED AND LESSONS LEARNED. CASE STUDIES FROM ROMANIA Loretta Batali ¹ , Joerg Klompfner ² , Bogdan Tronac ³ Technical University of Civil Engineering Geotechnical Dept. Bucharest-Romania ¹ BBG Bauberatung Geokunststoffe BBG Espelkamp-Germany ² Naue Geosynthetics Ltd Naue Warrington-United Kingdom ³	GEOSYNTHETICS FOR ROAD REINFORCEMENT IN COLD CLIMATE Arnstein Watan ¹ , Inge Hoff ² , Christian Recker ³ Watn-Consult Trondheim-Norway ¹ Norwegian University of Science and Technology Trondheim-Norway ² SINTEF Münster-Germany ³
	INTERACTION MODEL FOR DESIGN OF GEOGRID PULLOUT Felix Jacobs ¹ RWTH Aachen University Geotechnical Engineering Aachen-Germany ¹		THE USE OF GEOSYNTHETICS IN STEEP SIDE WALL CAPPING: A CASE STUDY Gregory Dode ¹ KEO International Consultants Waste Management Dubai-United Arab Emirates ¹	THE LONG TERM PERFORMANCE OF POLYMERIC REINFORCED WALLS UNDER STATIC AND SEISMIC CONDITIONS P.J. Naughton ¹ , H. Özçelik ² , M. Scotto ¹ , T. Balderson ⁴ Institute of Technology, Sligo-Ireland ¹ Tekno Maccaferri-Turkey ² , Officine Maccaferri S.p.A.-Italy ¹ Linear Composites Ltd.-UK ⁴
FINITE DIFFERENCE MODELLING OF THE DEFORMATION AND SLIPPAGE PROCESSES OF MULTI-LAYERED GEOSYNTHETIC LINING SYSTEMS Francis Tano ¹ , Nathalie Touze-foltz ¹ , Franck Olivier ² , Guillaume Stoltz ¹ , Dias Daniel ³ IRSTEA Geosynthetics ANTONY-France ¹ ECOGEO Environment ARRAS-France ² 3SR Geotechnical GRENOBLE-France ³		STUDIES ON DEFORMATION BEHAVIOR OF GEOGRID REINFORCED SOIL WALLS Abhinav Mane ¹ , Seema Gawali ¹ , Pooja Gore ¹ , Shubham Shete ¹ , Ankush Bhuse ¹ DIEMS Civil Engineering Aurangabad-India ¹	DESIGNING, EXECUTION AND USING STAGE OF HIGHWAY A4 (E40) BASED ON ACTIVE GEOLOGICAL FAULT Jan Zych ¹ , Maciej Machowski ² , Marek Tondera ² Silesian University of Technology Faculty of Mining and Geology Gliwice-Poland ¹ INORA Sp. z o.o. Technical Department Gliwice-Poland ²	
13:00-14:00	LUNCH			
		WHY ARE FRONT ELEMENTS ON MECHANICAL STABILIZED EARTH OVERDESIGNED BUT STILL FAILING Jürgen Gruber ¹ TenCate Geosynthetics Austria GmbH Marketing Linz-Austria ¹	ASHTON MOSS DEVELOPMENT-ADVANCED ENGINEERED SOLUTIONS USING GEOCOMPOSITE DRAINAGE FOR FAST CONSOLIDATION IN COMPACTED FILL Nigel Robinson ¹ , Goran Erak ² , Alan Bamforth ² IGS Environmental St Helens-United Kingdom ¹ IGS Civils Bath-United Kingdom ²	

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14:00-15:30	Specialty Session 3 Erosion Control: The State of the Art Organized By: Pietro Rimoldi	Specialty Session 4A Geosynthetic - Soil - Reinforcement (Principles, Design Models, Standards and Research) Organized By: Gerhard Bräu	Specialty Session 5A Geosynthetics in Dam Construction Organized By: Dr. Eng. Alberto Scuro	Technical Session 10 Various Applications of Geosynthetics Chairperson: Prof. Dr. Ayfer Erken
	Fundamentals of erosion control on slopes and the role of geosynthetics Chiwan Wayne Hsieh	Design of geosynthetic reinforced structures in accordance with European standards Graham Horgan	14.00 – 14.05: Introduction	CEN/TC189 AND ISO/TC 221 - EUROPEAN AND INTERNATIONAL STANDARDS FOR GEOSYNTHETICS: THE CURRENT DEVELOPMENTS Stephen Corbet ¹ , Daniele Cazzuffi ² AECOM Geotechnical Chelmsford-United Kingdom ¹ CESI Geotechnical Milan-Italy ²
	The importance of geosynthetics in erosion control of canal and river banks Michael Heiblum	Road Reinforcement - state of the art in practice, regulation and research Dr.-Ing. Lars Vollmert	14.05 – 14.35 : Invited lecture: J.P. Giroud – Geosynthetics in dams: function and design recommendations	DESIGN OF EXPOSED GEOMEMBRANE-LINED PONDS TO CONTROL UPLIFTING GAS PRESSURES Richard Thiel ¹ Thiel Engineering Oregon House, CA-United States ¹
	Laboratory tests for evaluating the performance of geosynthetics for surface erosion control Natalie Touze-Foltz & Helmut Zanzinger	The use of polymeric geogrids in structures with non-standard reinforced fills – durability considerations and economic benefits Yuli Doukala-Rigby	14.35 – 14.47: F. Fontana – Durability of heavy duty nonwoven geotextiles for the mechanical protection of PVC geomembranes in concrete and masonry dams	GEOSYNTHETIC CEMENTITIOUS MATS - STATE OF THE ART IN 2016 Nick Kastoumis ¹ Concrete Canvas Ltd Technical Sydney-Australia ¹
	Design of geosynthetics for erosion control on slopes Pietro Rimoldi	Interaction behaviour of soil and geo-grid reinforcement in physical modelling Dr.-Ing. Christian Lackner	14.47 – 14.59: M. Crespo – Waterproofing membranes life expectancy: effect of a pigmented coating	EXPERIENCES OF USING AUTOMATIC MONITORING SYSTEMS IN CONSTRUCTIONS OF EARTHWORKS IN SOPHISTICATED GEOTECHNICAL CONDITIONS - CASE STUDIES AND ANALYSIS. Marek Tondera ¹ INORA Sp. z o.o. Technical Department Gliwice-Poland ¹
	Accessible design methods for geosynthetics used for erosion control on channel and river banks David Shercliff		14.59 – 15.15: Discussion.	SOME MECHANICAL DIFFERENCES BETWEEN FINITE ELEMENT MODELLING AND TESTING REINFORCED MATERIALS Elf Cicek ¹ , Erol Güler ² Hacettepe University, Ankara, Turkey ¹ Civil Engineering Department, Bogazici University, Istanbul, Turkey ²
			EXPANDING DEVELOPMENTS OF HIGH STRENGTH WOVEN GEOTEXTILES Dick Janse ¹ TenCate EU Geo Nijverdal-The Netherlands ¹	
15:30-16:00	COFFEE BREAK			
16:00-17:30	Technical Session 11 Hydraulic Applications Chairperson: Dr. Ayse Edinciler	Specialty Session 4B Geosynthetic Reinforcement Applications Organized By: Gerhard Bräu	Specialty Session 5B Geosynthetics in Dam Construction Organized By: Dr. Eng. Alberto Scuro	Technical Session 12 Poster Session
	GEOMEMBRANE SYSTEMS IN THE NETHERLANDS AND ABROAD - RISKS AND LESSONS LEARNED (45 Mins. Presentation) Rijk Gerritsen ¹ , Charly Angenent ² , John Scheirs ³ Witteveen-Bos Geotechnical and hydraulic engineering Deventer-The Netherlands ¹ Genap Geomembrane systems Construction works 's Heerenberg-The Netherlands ² ExcelPlas Polymer Testing Services Laboratory Testing Services Moorabbin-Australia ³	Embankments, slopes and walls - state of the art in practice and research Dr.-Ing. Oliver Detert	15.40 – 16.10: Invited lecture: P. Gruppo Sembenelli – The advent of Geomembrane Faced Earth and Rock Dams (GFRD)	Poster Presentations are listed in below
	ASSESSMENT OF GCL HYDRATION DEPENDING ON THE SUBSOIL ASPECT RATIO Tuğçe Ödazmar Kul ¹ , Ali Hakan Ören ¹ Dokuz Eylül University Civil Engineering Izmir-Turkey ¹	Reinforced soil structures in seismic conditions - state of the art in practice and research Prof. Dr. Erol Güler	16.10 – 16.30: Invited lecture: N. Moutafis – Water sealing of hardfill dams with geocomposites	
	DESIGN METHODS OF GEOSYNTHETIC REINFORCEMENTS FOR THE EXTENSION OF OLD LANDFILL Abdelkader Abdelouhab ¹ , Marie Tankéré ¹ Texinov R&D Saint-Didier-de-la-Tour-France ¹	Modeling the deformation of a slope veneer reinforcement in the anchor trench Felix Jacobs	16.30 – 16.42: M. Blanco et al. – Long term behavior and life expectancy of EPDM geomembranes installed in water reservoirs	
	POLYMER ENHANCED GEOSYNTHETIC CLAY LINERS FOR EXTREME LEACHATE CHEMISTRIES M. S. Donovan ¹ , R. S. Valorio ¹ , B. Gebka ¹ CETCO Pennsylvania -United States ¹	Piled embankments - state of the art in practice, regulation and research Prof. Dr.-Ing. habil. Christian Moormann	16.42 – 16.54: M. Blanco et al. – Performance of geomembranes seldom used in hydraulic works, installed in the experimental field of El Saltadero 16.54 – 17.06: M. Blanco et al. – Performance of PVC-P, HDPE and EPDM geomembranes in uncovered and covered reservoirs 17.06 – 17.25: Final discussion 17.25 – 17.30: Closure.	
20:00 - 24:00	GALA DINNER			

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	ISTANBUL HALL	ANKARA HALL	IZMIR HALL	ANTALYA HALL
28 September 2016, Wednesday				
08:00-18:00	REGISTRATION			
09:00-10:00	KEYNOTE LECTURE by Professor Chungsik YOO "Geosynthetics in Underground Constructions" Chairperson: Prof. Dr. J.P. Giroud			
10:00-10:30	IGS AWARDS			
10:30-11:00	COFFEE BREAK			
11:00-12:30	Technical Session 13 Landfills Chairperson: Peter Legg	Specialty Session 6 Geosynthetics Under Earthquake Shaking Organized By: Prof. George Athanasopoulos and Assoc.Prof.Dr. Ayse Edinçiller	Technical Session 14 Pavements Chairperson: Dr. Tolga Özer	Technical Session 15 Reinforced Embankments Chairperson: Dr. Nejan Huvaj
	ASSESSING THE PLANARITY OF CONTAINMENT LINER SYSTEMS USING A TERRESTRIAL LASER SCANNER Tom Mitchell ¹ , Gary Fowmes ¹ , Rene Wackrow ² , Neil Dixon ² , Ian Scotland ³ Loughborough University Civil and Building Eng Leicestershire-United Kingdom ¹ Loughborough Uni Civil and Building Eng Leicestershire-United Kingdom ² Huesker Huesker Warrington-United Kingdom ³	1. "Examples of seismic design and performance of geosynthetic-reinforced structures". Jorge Zornberg. 2. "Geosynthetic-reinforced Soil (GRS) Integral Bridges and Seismic Loading". Stanislav Lenard and Fumio Tatsuoka 3. "Performance Based design of waste containment Barrier Systems Subjected to Seismic Loading" Mohamed G. Arab. 4. "Seismic Performance of Geosynthetic Encased Stone Columns", Erol Güler 5. "Improvement of Seismic Performance of the Mid-Rise Buildings with Geosynthetics" Ayse Edinçiller	REINFORCED UNPAVED ROADS: PARAMETRICAL ANALYSIS OF DESIGN PROCEDURES Lidia Sarah Calvarano ¹ , Nicola Moraci ¹ , Giovanni Leonardi ¹ , Rocco Palamara ¹ "Mediterranea" University of Reggio Calabria Department of Civil Engineering, Energy, Environment and Materials (DICEAM) Reggio Calabria-Italy ¹	EVALUATING GEOSYNTHETIC ENCASED COLUMNS UNDER DYNAMIC LATERAL LOADS Cihan Cengiz ¹ , Prof. Dr. Erol Güler ¹ , Dimiter Alexiew ² Civil Engineering Department, Bogazici University, Istanbul, Turkey ¹ HUESKER GmbH, Germany ²
	STABILITY ANALYSIS OF THE OLD SANITARY LANDFILL SLOPE REINFORCED WITH HDPE GEGRID AFTER LONG TIME OF SERVICE Agnieszka Kiersnowska ¹ , Wojciech Fabianowski ² , Jacek Kawalec ³ , Eugeniusz Koda ¹ , Piotr Oziński ¹ Warsaw University of Life Sciences - SGGW Department of Geotechnical Engineering Warsaw-Poland ¹ Warsaw University of Technology Faculty of Chemistry Warsaw-Poland ² Silesian University of Technology Department of geotechnics and Roads Gliwice-Poland ³		RESEARCH OF GRIDS' THERMAL STABILITY FOR REINFORCEMENT OF ASPHALT CONCRETE Igor Gamelak ¹ , Ludmyla Dmytrenko ² , Hanna Zhurba ³ NTU airports Kyiv-Ukraine ¹ KMUTD Laboratory Kyiv-Ukraine ² Eurozol Geosynthetics Commercial Kyiv-Ukraine ³	BEARING CAPACITY OF ENCASED STONE COLUMNS WITH DIFFERENT MATERIALS IN SOFT CLAY Mohammad Hamidi ¹ , Hamidreza Shamsi ¹ , Saied Enami ¹ , S.hamid Lajevardi ¹ , Javad Nazari Afshar ² arak azad university (IAU) civil engineering Arak-Iran ¹ Shahr-e-Qods azad university (IAU) civil engineering Tehran-Iran ²
	EVALUATION AND DESIGN CONSIDERATIONS OF GEOCOMPOSITE LEACHATE COLLECTION LAYERS FOR COAL ASH LANDFILLS Aigen Zhao ¹ , Bill Betke ¹ , Steve Mayes ¹ GSE ENVIRONMENTAL Houston-United States ¹		REFLECTIVE CRACKING RETARDATION USING GEOSYNTHETIC INTERLAYER: A FINITE ELEMENT MODEL STUDY Nithin Sudarsanan ¹ , Prashanthi Putchakayala ¹ , Rajagopal Karpurapu ¹ , Veeraragavan Amirthalingam ¹ IIT Madras Department of Civil Engineering Chennai-India ¹	COMPARISON OF DEEP FOUNDATION SOLUTIONS FOR EMBANKMENTS WITH SENSITIVITY ANALYSIS USING FINITE ELEMENT METHOD Joris Van Den Berg ¹ , Tamás Szatmári ² , István Kádár ³ , Dave Woods ⁴ Low & Bonar Arnhem-The Netherlands ¹ Low & Bonar Budapest-Hungary ² Budapest University of Technology and Economics Department of Engineering Geology and Geotechnics Budapest-Hungary ³ Low & Bonar Hull-United Kingdom ⁴
	HYDRATION OF A GCL WITH POWDERED BENTONITE Mohamed Hosney ¹ , Richard Brachman ¹ , R.Kerry Rowe ¹ Queen Geoenvironmental Centre Kingston-Canada ¹		GROUND STABILIZATION AT MR348 – MORRISON ROAD NEAR GLENTANA – SOUTH AFRICA Edoardo Zannoni ¹ , Pierre Barkhuizen ² Maccaferri Africa Commercial Johannesburg-South Africa ¹ Kantev and Tempier Consulting Engineers Cape Town-South Africa ²	BASAL REINFORCED PILED EMBANKMENTS, NONSQUARE RECTANGULAR PILE ARRANGEMENTS AND LOAD DISTRIBUTION Suzanne Van Eekelen ¹ , Herman-jaap Lodder ² Deltares Delft-The Netherlands ¹ RPS Group Plc Delft-The Netherlands ²
		EVALUATION OF GEOGRID REINFORCED UNPAVED ROADS USING LARGE SCALE TESTS Talha Sarıcı ¹ , Ahmet Demir ² , Erol Tutumluer ³ , Birol Demir ⁴ , Ahmet Gürkan Güngör ⁵ , Sefer Ercan Epsileli ⁶ , Şenol Çomez ⁷ , Bahadır Ok ⁸ Inonu University Civil Engineer MALATYA-Turkey ¹ Osmaniye Korkut Ata University Civil Engineer OSMANIYE-Turkey ² University of Illinois Civil Engineer CHAMPAIGN, IL-United States ³ Republic of Turkey General Directorate of Highways Research and Development Department ANKARA-Turkey ⁴ Republic of Turkey General Directorate of Highways The Turkish Road Association ANKARA-Turkey ⁵ Republic of Turkey General Directorate of Highways 5th REGIONAL DIRECTORATE - MERSIN MERSIN-Turkey ⁶ Republic of Turkey General Directorate of Highways Soil and Stabilization ANKARA-Turkey ⁷ Adana Science and Technology University Civil Engineer Adana-Turkey ⁸	THE PERFORMANCE OF AN EMBANKMENT ON SOFT GROUND REINFORCED WITH GEOSYNTHETIC AND FLOATING PILE WALLS SYSTEM Mohamed Morsi ¹ Faculty of Engineering, Ain Shams University Structural Cairo-Egypt ¹	
		ASPHALT INTERLAYER SYSTEMS – THEIR APPLICATION AND THEIR SPECIFICATION Gernot Mannsbart ¹ TenCate GmbH Geosynthetics Linz-Austria ¹	HIGH STRENGTH WOVENS, EFFECTIVE AND ECONOMICAL GEOSYNTHETICS FOR BASAL REINFORCEMENT Alain Nancy ¹ TenCate Geosynthetics Bezons-France ¹	
12:30-13:30	LUNCH			

EUROGEO 6 PROGRAMME

	ISTANBUL HALL	ANKARA HALL	IZMIR HALL	ANTALYA HALL
	Technical Session 16 Hydraulic Applications Chairperson: Boyd Ramsey	Technical Session 17 Seismic Applications Chairperson: Dr. Stanislav Lenart	Specialty Session 7A Geosynthetics In Road Construction Organized By: Prof. Erol Tutumluer	Technical Session 18 Reinforced Walls and Slopes Chairperson: Hakan Özzelik
13:30-15:00	PROTECTION OF PIER FOUNDATION OF ZHONGSHA BRIDGE AT ZHUOSHUI RIVER Yu-chi Chao ¹ , Chih-hao Chen ² , Bwo-fon Wu ² , Chia-wen Wu ¹ , Yan-shun Chen ³ ACE Geosynthetics Technical Support Department Taichung-Taiwan ¹ ACE Geosynthetics International Sales Division Taichung-Taiwan ² ACE Geosynthetics Domestic Sales Division Taichung-Taiwan ³	SEISMIC PERFORMANCE OF MID-RISE BUILDINGS ON GEOGRID REINFORCED SAND A. Edinçiller ¹ , Ö.Yıldız ² Boğaziçi University, Istanbul, Turkey ¹ , Yıldız Technical University, Turkey ²	13:30 - 13:50 Mechanisms Governing the Performance of Unpaved Roads Incorporating Geosynthetics Dr. J.P. Giroud, JP GIROUD, INC.	CARBON FOOTPRINT COMPARISON OF GEOGRID REINFORCED AND REINFORCED CONCRETE RETAINING WALL IN TURKEY Dr. Duygu Erten ¹ , Prof. Dr. Erol Güler ² P.E., LEED Faculty, Ass. Prof. of Civil Engineering, Dep. of Architecture, Istanbul MEDIPOL University, Istanbul, Turkey ² Civil Engineering Department, Bogazici University, Istanbul, Turkey ²
	PRACTICAL APPLICATIONS WITH GEOSYNTHETIC MATS REINFORCED WITH STEEL WIRE MESHES TO PREVENT EMBANKMENT DAMAGE BY BURROWING LARGE RODENTS AND BEAVERS Paolo Di Pietro ¹ , Marco Vicari ¹ , Dogan Gundogdu ² Maccaferri Technical Zola Predosa-Italy ¹ Maccaferri Tekno Technical Istanbul-Turkey ²	LATERAL LOADING EXPERIMENTS FOR BURIED PIPE IN REINFORCED GROUND WITH GEOGRIDS UNDER DIFFERENT HYDRAULIC GRADIENT Kohei Ono ¹ , Yu Yokota ¹ , Yoshinori Itani ¹ , Yutaka Sawada ¹ , Toshinori Kawabata ¹ Kobe University Graduate School of Agricultural Science Kobe-Japan ¹	13:50 - 14:10 Stabilization of Roadways using Geosynthetics Prof. Jorge Zornberg, University of Texas at Austin	DESIGN METHOD FOR GEOGRID REINFORCEMENT OF WORKING PLATFORMS: RECENT UK EXPERIENCE Nicola Brusa ¹ , David Crowther ¹ , Pietro Pezzano ² , Pietro Rimoldi ² Maccaferri Ltd Technical Oxford-United Kingdom ¹ Officine Maccaferri Spa Technical Zola Predosa-Italy ²
	COAST PROTECTION WITH SOILTAIN® TUBES - CASE STUDY OF SAND DUNE PROTECTION IN ROWY, POLAND Michal Pilch ¹ Przedsiębiorstwo Realizacyjne INORA Sp. z o.o. Technical Department Gilwice-Poland ¹	COMPARISON OF DIFFERENT APPROACHES USED TO SEISMIC DESIGN OF GEOSYNTHETIC REINFORCED RETAINING STRUCTURES Krystyna Kazmierowicz-frankowska ¹ Institute of Hydroengineering of the Polish Academy of Sciences Geomechanics Gdańsk-Poland ¹	14:10 - 14:30 Geosynthetic Field Testing and Design Method Calibration Eli Cuelho, Western Transportation Institute - Montana State University	PERFORMANCE OF GEOGRID AND STEEL STRIP REINFORCED SOIL WALLS UNDER SEEPAGE FLOW CONDITIONS Tomohiro Fujita ¹ , Hiroaki Miyatake ¹ , Atsushi Nakane ² , Yoshihisa Miyata ¹ Public Works Reseach Institute Geology and Geotechnical Engineering Research Group Tsukuba-Japan ¹ Public Works Research Center Geotechnical and Construction Engineering Division Tsukuba-Japan ² National Defense Academy Department of Civil and Environmental Engineering Yokosuka-Japan ²
	SUBMERGING HIGH RESISTANT GEOMEMBRANES AS CONTAINMENT BARRIER CLOSURE DAMS - BAKU AZERBAIJAN Rijk Gerritsen ¹ , Etibar Abbasov ² , Dick Van Regteren ¹ , Bill Shehane ⁴ Witteveen+Bos Geotechnical and hydraulic engineering Deventer-The Netherlands ¹ Tamizshahar Baku-Azerbaijan ² Genap Geomembrane systems -The Netherlands ³ Seaman Corporation Wooster, Ohio-United States ⁴	VIBRATION ISOLATION IN SOIL BY THIN INJECTED FOAM BARRIERS Julian Sprengel ¹ , Martin Ziegler ¹ RWTH Aachen University Geotechnical Engineering Aachen-Germany ¹	14:30 - 14:50 Experience with Geogrids and Geocomposites Positioned beneath Ballast Bed in Laboratory and Operating Conditions Prof. Leos Hornicek, Czech Technical University in Prague	PRELIMINARY RESULTS OF SOIL - GEOSYNTHETIC STRIP INTERACTION IN PULLOUT Karolina Gradški ¹ , Krunoslav Minažek ² , Mensur Mulabdić ² , Predrag Kvasnička ¹ Faculty of Mining, Geology and Petroleum Engineering Mining and Geotechnical engineering Zagreb-Croatia ¹ Faculty of Civil Engineering Geotechnik Osijek-Croatia ²
	ASSESSMENT OF THE EFFECTS OF A 3D EROSION MATTING FILLED WITH BITUMEN ON WATER QUALITY IN SENSITIVE ENVIRONMENTS Gilles CHOURRÉ ¹ , Alain Héralut ² , Nicolas Breyné ² I.I.B.S.N-France ¹ Low & Bonar Anthony Cedex- France ²	DYNAMIC ANALYSIS OF BURIED PIPELINES WITH GEOGRID REINFORCEMENT Hakkı O. Ozhan ¹ , Ece Eseller Bayat ² , Ehsan Yahyavi ² Istanbul Kemerburgaz University Civil Engineering Istanbul-Turkey ¹ Istanbul Technical University Civil Engineering Istanbul-Turkey ²	14:50 - 15:00 Questions and Answers / Discussion	GEOMETRIC FACTORS INFLUENCING THE OPTIMAL POSITION OF GEOGRID REINFORCEMENT David Hercules Marx ¹ , S.w. Jacobsz ¹ University of Pretoria Civil Engineering Pretoria-South Africa ¹
			STRAINS MEASURED ON GEOSYNTHETIC ENCASED STONE COLUMN UNDER EARTHQUAKE EXCITATIONS Cihan Cengiz ¹ , Dimiter Alexiew ² , Prof. Dr. Erol Güler ¹ Civil Engineering Department, Bogazici University, Istanbul, Turkey ¹ HUESKER GmbH, Germany ²	
15:00-15:30	COFFEE BREAK			

EUROGEO 6 PROGRAMME

	ISTANBUL HALL	ANKARA HALL	IZMIR HALL	ANTALYA HALL
	Technical Session 19 Drainage and Filtration Chairperson: Dr. Michael Heibbaum	Technical Session 20 Physical and Numerical Models Chairperson: Dr. Suzanne van Eekelen	Specialty Session 7B Geosynthetics In Road Construction Organized By: Prof. Erol Tutumluer	Technical Session 21 Reinforced Walls and Slopes Chairperson: Prof. Dr. Gökhan Baykal
15:30-17:00	LABORATORY TESTS OF ARTIFICIAL CLOGGING OF NONWOVEN GEOTEXTILES Anna Miskowska ¹ , Stanislav Lenart ² , Eugeniusz Koda ¹ Warsaw University of Life Sciences Department of Geotechnical Warsaw-Poland ² Slovenian National Building and Civil Engineering Institute Department of Geotechnics and Traffic Infrastructure Ljubljana-Slovenia ²	UNDRAINED VERTICAL BEARING CAPACITY OF STRIP FOOTING ON GCL LAYER Reza Hassanvand ¹ , Mahdi Khodaparast ¹ , Hamid Lajevardi ¹ Author Civil Engineering Qom-Iran ¹	15:30 - 15:45 Mechanisms of Reinforcement Benefit from Geosynthetics Used As Subgrade Stabilization Eli Cuelho, Western Transportation Institute - Montana State University	BEHAVIOR OF FULL-SCALE MECHANICALLY STABILIZED EARTH (MSE) WALLS UNDER STRIP FOOTING LOAD Hamzeh Ahmadi ¹ , Adam Bezuijen ¹ Ghent University Laboratory of Geotechnics Gent-Belgium ¹
	FILTRATION OF CLAYEY SLUDGE BY THE USE OF GEOTEXTILES: EXPERIMENTAL STUDY Philippe Delmas ¹ , Camille Barral ² , Guillaume Stoltz ² , Tatiana Majerus ³ , Nicolas Ladie ³ Cnam Icer Geotechnics Paris cedex 03-France ¹ IRSTEA INEGE Antony-France ² DUPONT de NEMOURS Contern-Luxembourg ³	EXPERIMENTAL AND NUMERICAL STUDIES FOR GEOSYNTHETICS ANCHORAGE WITH WRAP AROUND S. Hamid Lajevardi ¹ , Claire Silvani ² , Laurent Briancon ² , Pascal Villard ³ , Daniel Dias ⁴ Islamic Azad University arak arak-Iran ¹ Insa de Lyon rhone alpe Lyon-France ² 3SR UJF rhone alpe Grenoble-France ³ LTHE UJF rhone alpe Grenoble-France ⁴	15:45 - 16:05 Geogrid-Aggregate Interlock Mechanism Investigated Prof. Erol Tutumluer, University of Illinois at Urbana-Champaign	MODELING OF BOULDER IMPACT ON A REINFORCED EMBANKMENT AND DESIGN CONSIDERATIONS Gianluca Bragonzi ¹ , Paolo Cancelli ¹ , Claudio Di Prisco ² , Leonora Tedeschi ¹ Studio Cancelli Associato Studio Cancelli Associato Milan-Italy ² Politecnico di Milan DICA Milan-Italy ³
	COMPARATIVE MONITORING OF A GEOCOMPOSITE DRAINAGE AND A DRAINING MASK : 2-YEAR-DATA ANALYSIS AND MOVING FORWARD Véronique Helli ¹ , Didier Benamu ² , Dominique Boulangeot ³ , Patrice Chardard ⁴ , Pierre Gendrin ⁵ Cerema Tomblaine-France ¹ Afitec Champhol-France ² SNCF Réseau Paris-France ³ Eiffage Paris-France ⁴ Georoute Champhol-France ⁵	THREE DIMENSIONAL FINITE ELEMENT ANALYSIS OF GEOGRID REINFORCED PILED EMBANKMENTS ON SOFT CLAY Mahmoud Y. Shokry ¹ , Rami M. El-Sherbiny ² , Hany A. Lotfi ¹ Dar Al-Handsah (shair & partners), Egypt ¹ Faculty of Engineering, Cairo University, Egypt ² Faculty of Engineering, Cairo University, Egypt ³	16:05 - 16:20 Investigation of the Geogrid-Granular Soil Combination Layer with Laboratory Multi-Level Shear Box Test Dr. Szabolcs Fischer, Stéchenyi István University Tamás Szatmári, Low & Bonar Budapest-Hungary	GEOCELL FASCIA REINFORCED SOIL WALL IN GREEN SOLUTION Suraj Vedpathak ¹ , Yashodeep Patil ¹ , Gautam Dalmia ² , Shahrokh Bagli ¹ Strata Geosystems (India) Pvt. Ltd. Design Mumbai-India ¹ Strata Geosystems (India) Pvt. Ltd. Business Development Mumbai-India ²
	FILTRATION BEHAVIOUR OF SAND MATS Matthias Maisner ¹ , Michael Heibbaum ² , Norbert Kunz ² BAW structural engineering Karlsruhe-Germany ¹ BAW geotechnical engineering Karlsruhe-Germany ²	A REAL APPROACH FOR NUMERICAL ANALYSIS OF THE ROAD EMBANKMENTS REINFORCED BY GEOCELL Mohammad Ollaei ¹ , Saeed Kouzegaran ¹ , Amir Reza Behzadian ¹ Tarbiat Modares University Civil Eng. Tehran-Iran ¹	16:20 - 16:35 Execution and Evaluation of Large-Scale Trafficking Trials with Geogrid-Reinforced Base Courses Dr.-Ing. Ansgar Emersleben, Technical University of Clausthal	INVESTIGATION ON INFLUENCE OF REINFORCEMENT IN STRESS DISTRIBUTION OF GRANULAR MEDIA IN CASE OF UNIFORMLY LOADED STRIP FOOTING. Premalatha Krshnamurthy ¹ , Pavithra Sakthi Vinayagam ¹ ANNA UNIVERSITY CIVIL DEPARTMENT Chennai 25-India ¹
	DEWATERING OF DREDGED SLUDGE WITH GEOTUBES: EFFECTS OF POLYMER ADDITIVE TYPE AND AMOUNT S. A. Berilgen ¹ , M. Tonaroglu ¹ , C. Akgüner ² , B. Turan Bulut ¹ Yildiz Technical University, Turkey ¹ , TED University, Turkey ²	VISUALIZATION OF INTERLOCK ACTION IN GRANULAR PARTICLES FOR MODELING GEOGRIDS Onur Pekcan ¹ , Mucahit Gurbuz ¹ Middle East Technical University Civil Engineering Ankara-Turkey ¹	16:35 - 16:50 Quantification of Benefits of Geosynthetic Reinforced Flexible Pavements Prof. Denis Kalumba, University of Cape Town	REHABILITATION OF AN EXISTING RC RETAINING WALL USING GEOGRID REINFORCED GRANULAR FILL Ozan Dadaşbilge ¹ GEOCON Geotechnical Consultants-Turkey ¹
		EFFECT OF BIAXIAL ECCENTRICITY IN GEOGRID REINFORCED SAND Kaan Dal ¹ , Murat Örnek ¹ , Yakup Türedi ¹ Iskenderun Technical University, Civil Engineering Faculty Civil Engineering Department, Geotechnical Division 31200 Iskenderun / Hatay-Turkey ¹	16:50 - 17:00 Questions and Answers / Discussion	EFFECT OF SLOPE REINFORCEMENT OF AN EMBANKMENT ON GLOBAL STABILITY AND EFFECT OF TRAFFIC LOADS Elif Cicek ¹ , Erol Güler ² Hacettepe University, Ankara, Turkey ¹ Civil Engineering Department, Bogazici University, Istanbul, Turkey ²
17:00 - 17:30	CLOSING SESSION GeoAsia 2016 - 6th Asian Regional Conference on Geosynthetics Presentation GeoAfrica2017 - 3rd African Regional Conference on Geosynthetics Presentation 11th International Conference on Geosynthetics - 11 ICG Presentation EuroGeo7 - 7th European Geosynthetics Congress Presentation Prof. Dr. Erol Güler-IGS Turkish Chapter President and Congress Chairman - Closing of EuroGeo6			

EUROGEO 6 POSTER PRESENTATIONS

Technical Session 12

ANTALYA HALL

27 September 2016 Tuesday

16:00-17:30

ESTIMATION OF PUNCTURE RESISTANCE OF NEEDLE-PUNCHED GEOTEXTILES

Angelika Duszyńska¹, Adam Bolt¹

Technical University of Gdansk WILiS KGGiBM Gdansk-Poland¹

UNDRAINED VERTICAL BEARING CAPACITY OF STRIP FOOTING ON GCL LAYER

Reza Hassanvand¹, Mahdi Khodaparast¹, Hamid Lajevardi¹

Author Civil Engineering Qom-Iran¹

IMPROVING OF LEVEES IN CROATIA BY USING GEOSYNTHETICS

Mensur Mulabdic¹, Marijan Babic², Goran Gjetvaj³

UNIVERSITY Geotechnics OSIJEK-Croatia¹ Croatian waters R&D ZAGREB-Croatia² UNIVERSITY Hydraulics ZAGREB-Croatia³

INNOVATIVE VERTICAL GEOMEMBRANE GEOLOCK FOR POLDERCONSTRUCTIONS

Erik Kwast¹

Kwast Consult Houten-The Netherlands¹

LABORATORY MODEL EXPERIMENTS ON PILED EMBANKMENTS WITH GEOSYNTHETICS

Kwang-wu Lee¹, Il-wha Lee², Jeong-ho Ryu¹, Chung-rak Choi³, Seung-kyung You⁴

Korea Institute of Civil engineering and building Technology Geotechnical engineering research institute Goyang-Si-Korea, South¹ Korea Railroad Research Institute High-speed railroad research center Uiwang-Si-Korea, South² Pyunghwa engineering consultants Geotechnical department Anyang-si-Korea, South³ Myungji College Department of civil engineering Seoul-Korea, South⁴

COMPARISON OF INTERFACE SHEAR STRENGTH CHARACTERISTICS OF HDPE AND LLDPE GEOMEMBRANE INTERFACES

Sanelisiwe Buthelezi¹, Denis Kalumba¹, Garth James²

University of Cape Town Civil Engineering Cape Town-South Africa¹ Kaytech Engineered Fabrics Civil Engineering Durban-South Africa²

ANALYSIS OF BRICK-FACED RETAINING WALLS REINFORCED WITH GEOTEXTILES: FACE DEFORMATION

Katia D T Monteiro¹, António Alberto Santos Correia¹, Maria Isabel Moita Pinto²

University of Coimbra Department of Civil Engineering Coimbra-Portugal¹ University of Coimbra CEMUC, Department of Civil Engineering Coimbra-Portugal²

NEW TESTING SYSTEM FOR THE DETERMINATION OF GAS PERMEABILITY OF BARRIER MATERIALS

Hauke Anbergen¹, Thomas Egloffstein², Thorsten Wille¹
APS GmbH - Wille Geotechnik Rosdorf-Germany¹ ICP Ingenieurgesellschaft Karlsruhe-Germany²

REMEDICATION AND REINFORCEMENT OF EMBANKMENTS FOR FLOOD PROTECTION

Goran Grget¹, Katarina Ravnjak¹, Meho Sa² Kovačević²
*Geokon-Zagreb Consultant department Zagreb-Croatia¹ Zagreb University, Faculty of Civil Engineering
Geotechnical department Zagreb-Croatia²*

EFFECTIVE WIDTH OF GEOCELL UNDER STRIP FOOTING

Ayhan Gurbuz¹
Gazi Univ. Civil Eng. Ankara-Turkey¹