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OVERVIEW ACCEPTED ABSTRACTS PER SESSION

VIBRO AND IMPACT COMPACTION		
Coordinating author	**Country**	**Title**
BERTHIER Daniel	AUSTRALIA	Port Botany Expansion, Sydney: Large Scale Reclamation using Vibro-Compaction and Dynamic Compaction Ground Improvement Techniques
BOUAZZA Abdel Malek	AUSTRALIA	Case Studies of Rolling Dynamic Compaction on Various Fill Materials
BRÛLE Stéphane	FRANCE	Soil dynamic response after ground improvement by heavy dynamic compaction or vibrocompaction
DENIES Nicolas HUYBRECHTS Noël	BELGIUM	Vibrocompaction properties of dry sand
DIJKSTRA J.W.	THE NETHERLANDS	Ground improvement at the Vopak terminal, Harbour of Amsterdam
FENG Tao-Wei	TAIWAN R.O.C.	Laboratory study of disc rotation for densification of loose sands
GUTIERREZ MANJÓN José Manuel	SPAIN	Dynamic displacement treatment for the foundation of large fuel storage tanks on land gained from the sea
HAMIDI Babak	AUSTRALIA	Lessons Learned from Millions of Square Metre of Ground Improvement
JAKSA Mark	AUSTRALIA	Quantifying the Zone of Influence of the Impact Roller
JIMENEZ Rafael	SPAIN	A comparison of soil improvement achieved using different vibro methods
JURADO Carlos	SPAIN	Impact-compaction on an fill at Santa Cruz de la Palma Harbour (Canary Island)
KINOSHITA Hiroki	JAPAN	Sand Compaction Pile technology and its performance for both sandy and clayey ground
MEULEWAETER Benoît	BELGIUM	Ground improvement works on large scale projects in the North of Morocco
MOYLE Richard	UNITED KINGDOM	Results of a Full-Scale Dynamic Compaction Trial in Uncontrolled Fill
MOYLE Richard	UNITED KINGDOM	Assessment of Grid spacing for Dynamic Compaction
NAZHAT Yahya	AUSTRALIA	The Effect of Curved Base Tampers on the Dynamic Compaction of Sand
REN G.	AUSTRALIA	Assessment of engineering properties of compacted fill over a landfill site
SERRIDGE J. Colin	UNITED KINGDOM	Vibro Ground Improvement techniques – A UK Perspective
WATTS Ken	UNITED KINGDOM	Design procedures for Rapid Impact Compaction
WHENHAM Valérie	BELGIUM	Design methods for assessing the performance of vibro-compaction
YUNG S.H.	PEOPLE'S REPUBLIC OF CHINA	Stone Column and Vibro-compaction of Soil Improvement for liquefaction
YUNG S.H.	PEOPLE'S REPUBLIC OF CHINA	Effects of Fines on Vibro-compaction

VERTICAL DRAINS, VACUUM CONSOLIDATION & PRELOADING		
Coordinating author	**Country**	**Title**
ALMEIDA Marcio	BRAZIL	Combined use of Radial Consolidation and Injection at Rio de Janeiro Olympic Park
AUBERTIN Michel	CANADA	Waste rock inclusions to improve the response of tailings impoundments
BACAS Belén	SPAIN	Comparison of consolidation between real PVD and equivalent permeability on an unit cell
BERTHIER Daniel	AUSTRALIA	First in Australia/ Largest Single Stage Treatment Area in the World; an industrial application of the Menard Vacuum Consolidation Technique at the Port of Brisbane
DIJKSTRA J.W.	THE NETHERLANDS	Application of BeauDrain-S at the southern bypass of Gouda
FATAHI Behzad	AUSTRALIA	Sensitivity Analysis to Quantify the Influence of Smear Zone Characteristics on Vertical Drain Assisted Preloading Design
GHANDEHARIOON Ali	AUSTRALIA	Finite Element Analysis of the Installation of Prefabricated Vertical Drains in Soft Soils
INDRARATNA Buddhima	AUSTRALIA	Performance and Prediction of Surcharge and Vacuum Consolidation via Prefabricated Vertical Drains with Special Reference to Highways, Railways, Ports, and Airports
INDRARATNA Buddhima	AUSTRALIA	THE EFFECT OF A MULTI-LAYER SOIL DUE TO DOWNDRAG CAUSED BY MANDREL ACTION
JEWELL Richard A.	BELGIUM	Use of Temporary Water Drawdowns for Site Improvement
JIMENEZ Rafael	SPAIN	Preloading of a hydraulic fill for foundation of LNG tanks
MATEOS Teresa	SPAIN	Back analysis of a trial embankment settlement based on CPTu and oedometric tests results
RAYMACKERS Sylvie	BELGIUM	Accelerated consolidation of soft soils beside existing embankments – field results and back analysis
TAN C.Y.	SINGAPORE	Combined effect of Vacuum Consolidation and Electro-osmosis on Soft Clay
WITASSE Richard	THE NETHERLANDS	Finite Element Modelling of Vacuum Consolidation using Drain Elements and Unsaturated Soil Conditions
KIRSTEIN Johannes	GERMANY	New B176 road foundation with different soil improvement techniques on the MIBRAG brown coal dump
KIRSTEIN Johannes	GERMANY	Rigid inclusions in combination with fast wick drain consolidation as soil improvement method in very soft and fat north German clay

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Coordinating author	**Country**	**Title**
ABBASI Nader	IRAN	Improvement of Geotechnical Properties of Silty sand Soils Using Natural Pozzolan and Lime
ABDI M.R.	IRAN	Stabilizing clays using basic oxygen steel slag (BOS)
AHMED Aly	JAPAN	Recycled Bassanite in Conjunction with Coal Ash for Stabilization of Soft Clay Soil
AJDARI Mohsen	IRAN	Oedometric Response of a Sand-Bentonite Mixture Improved by Potassium Silicate
BEETHAM Paul	UNITED KINGDOM	Nucleation centres in lime stabilised soils
BLANCK Gaëtan	FRANCE	Effect of organic non-traditional treatments on soil behaviour
CHAN Chee-Ming	MALAYSIA	Pre-Mixing as a Preparatory Step for Stabilisation of Organic Soils
CONSOLI Nilo Cesar	BRAZIL	Rational criteria for the assessment of the target mechanical strength and stiffness of artificially soil-cement mixtures
FATAHI Behzad	AUSTRALIA	Application of Polypropylene and Carpet Fibres to Improve Strength and Stiffness Properties of Cement Treated Clay using Deep Soil Mixing
GHAROUNI Nik	IRAN	Laboratory investigations on groutability of type C alluvial used in ground improvement for construction metro tunnels
GOMEZ Jose	USA	Roadway Soil-Cement Stabilization. Mix Design, Control and Results during Construction
GUIMOND-BARRETT Antoine	FRANCE	Effects of bentonite on the durability of cement-stabilised sands
GUIMOND-BARRETT Antoine	FRANCE	Rheological properties of cement-stabilised kaolin clay
HASHEMI Mir Amid	BELGIUM	Influence of the clay content of a lime-treated soil on its compression strength
KITAZUME Masaki	JAPAN	Influence of specimen preparation on unconfined compression strength of cement-stabilized Kaolin clay
KORKIALA-TANTTU Leena	FINLAND	Syntesis of the Finnish Deep Stabilisation Tests
LE KOUBY Alain	FRANCE	Workability of the Soil-Mixing material: a laboratory study
LEDER Enrico	ITALY	Influence of tire chips on the mechanical properties of cement treated soil
LUTENEGGER J. Alan	USA	Immediate Modification of Clays with Quicklime: Alteration of Grain-Size Distribution
MARZANO Ignazio Paolo	ITALY	Laboratory study on the applicability of molding procedures for the preparation of cement stabilised specimens
MORETTI Geraldo	BRAZIL	Strength increase over time of an alluvial clay, typical of the coast of Brazil´s Northeastern, mixed with different dosages of cement
MROUEH Hussein	FRANCE	Elastoplastic behaviour of cement treated sand
NOZU Mitsuo	JAPAN	Influence of 'Montmorillonite' inclusion in soft soil for deep cement soil mixing
PREDA Giovanni	ITALY	Consolidation of dredged mud in the Venice Lagoon
PUPPALA Anand	USA	Chemical Stabilization for Pavement Subgrades
QUIGLEY Paul	IRELAND	Some laboratory soil mixing trials of Irish peats
RAMADAS T.L.	INDIA	To improve strength and swelling characteristics of three expanisve soils treated with flyash
SARGENT Paul	UNITED KINGDOM	Soil Stabilisation using Sustainable IBP Binders and Alkali Activation
SAUSSAYE Lucile	FRANCE	Soils treatment with hydraulic binders : physic-chemical and geotechnical investigations of a chemical disturbance
SONON B.	BELGIUM	Effect of fabric on elastic properties of lime treated clayey sand
STOLTZ Guillaume	FRANCE	Effect of wetting and drying cycles on the mechanical durability of a lime-treated expansive soil
WANATOWSKI Dariusz	UNITED KINGDOM	Effectiveness of lime stabilisation in organic clay

SOIL MIXING 2 - DEEP MIXING		
Coordinating author	**Country**	**Title**
AL-NAQSHABANDY Mohammed Salim	SWEDEN	Partial Factor Design for Highway Embankments Founded on Improved Soil with lime-cement columns
AL-TABBAA Abir	UNITED KINGDOM	Soil Mix Technology for Integrated Remediation and Ground Improvement: Field trials
ANDERSEN Bjorn	DENMARK	The Fehmarnbelt Fixed Link - Site assessment and soil improvement
AUGUSTESEN Anders H.	DENMARK	The Fehmarnbelt Fixed Link - Numerical investigations of ground improvement
BELLATO Diego	ITALY	Long-term performance of CSM walls in stiff clay
BENHAMOU Lucie	FRANCE	Geomix caisson as a remediation measure against liquefaction hazard
BERTERO Alessandro	ITALY	Soil mixing in highly organic materials: the experience of LPV111, New Orleans, Louisiana (USA)
BILE SERRA Joao	PORTUBAL	Foundation Soils Improvement by“Cutter Soil Mixing”
BOUAZZA Abdel Malek	AUSTRALIA	Analysis of the ground improvement works and the settlement of a lng storage tank in Gladstone, Queensland, Australia
CHAI Jinchun	JAPAN	Lateral displacement induced by installation of soil-cement columns
DENIES Nicolas - HUYBRECHTS Noël	BELGIUM	Mechanical characterization of SOIL MIX material – procedure description
DENIES Nicolas - HUYBRECHTS Noël	BELGIUM	SOIL MIX walls as retaining structures – mechanical characterization
DENIES Nicolas - HUYBRECHTS Noël	BELGIUM	SOIL MIX walls as retaining structures – Belgian practice
DHAYBI Mahmoud	FRANCE	Physical and numerical study of existing foundations reinforced by soil mixing
FILZ George	USA	Design of Deep Mixing to Resist Multiple Failure Modes
GERRESSEN Franz-Werner	GERMANY	CSM-Cutter Soil Mixing, A Young Soil Mixing Method Applied in Difficult Soil Conditions around the World
GUIMOND-BARRETT Antoine	FRANCE	Deep mixing for reinforcement of railway platforms with a spreadable tool
LE KOUBY Alain	FRANCE	Soil-cement columns, an alternative soil improvement method : static loading test
MENDES B.F	PORTUGAL	Serviceability and “Cutter Soil Mixing” panels at a marine dock in Lisboa
MODONI Giuseppe	ITALY	Load transfer mechanisms of rigid columnar reinforcements for foundation
ONUR Mehmet İnanç	TURKEY	An experimental comparison between two improvement methods: deep mixing & jet-grouting
O'SULLIVAN Andy	NEW ZEALAND	Advanced Numerical Analysis of Deep Soil Mixed Columns under Seismic Loading – Experience from New Zealand
PANDREA Paul	GERMANY	Design of In-Situ Soil Mixing
PEIXOTO Artur	PORTUGAL	Earth Retaining Structure using Cutter Soil Mixing technology for the “Villa Paradisio” Project at Cannes, France
PEIXOTO Artur	PORTUGAL	Permanent Excavation Support in Urban Area using Cutter Soil Mixing technology at Cannes, France
PEIXOTO Artur	PORTUGAL	Solution of earth retaining structure using Cutter Soil Mixing technology: “Parking Saint Nicolas” Project at Cannes, France
PEIXOTO Artur	PORTUGAL	Solutions for soil foundation improvement of an industrial building using Cutter Soil Mixing technology at Fréjus, France
PEIXOTO Artur	PORTUGAL	The application of Cutter Soil Mixing to an urban excavation at the riverside of Lagos, Portugal
PINTO Alexandre	PORTUGAL	Ground Improvement Solutions using CSM Technology
PIRIYAKUL Keeratikan	THAILAND	Stiffness of Soil-Cement-Fly Ash by means of Shear Wave Velocity
SCHÔNIT Markus	AUSTRIA	State of the art in dry soil mixing - Basics and case study
SUGANYA Kuppusamy	INDIA	Parametric study of embankments founded on soft organic clay using numerical simulations
VERVOORT A.	BELGIUM	Mechanical characterization of large scale soil mix samples and the analysis of the influence of soil inclusions
WILSON Brian	CANADA	Design, Construction and Monitoring of a Test Section for the stabilization of an Active Slide Area utilizing Soil Mixed Shear Keys installed using Cutter Soil Mixing

RIGID INCLUSIONS & STONE COLUMNS		
Coordinating author	**Country**	**Title**
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AL-SAOUDI Namir K.S.	IRAQ	Ordinary and encased stone columns under repeated loading
AUGUSTESEN Anders H.	DENMARK	The Fehmarnbelt Fixed Link - Numerical investigations of ground improvement
BLACK Jonathan A.	UNITED KINGDOM	Observation of Stone Column Failure Mechanics Using Transparent Soil and Particle Image Velocimetry (PIV)
BOUASSIDA Mounir	TUNISIA	Assessment of software for the design of columnar reinforced soil
BRINKGREVE Ronald	THE NETHERLANDS	Possibilities and limitations of embedded pile elements for lateral loading
CASTRO J.	SPAIN	Numerical modelling of stone column installation in Bothkennar clay
CASTRO J.	SPAIN	Theoretical analyses of laboratory tests of clay reinforced with stone columns
DETERT Oliver	GERMANY	About long-term behaviour of foundations with geotextile encased granular columns
DIAS Daniel	FRANCE	Behaviour of a Pile-Supported Embankment using rigid inclusions with
DIAS Daniel	FRANCE	Spread foundations on rigid inclusions subjected to complex loading. Comparison of 3D numerical and simplified analytical modelling----
EL MAHALLAWY Nagy Abdel Hamid	IRAN	Improvement of soft soils using reinforced sand over stone columns
ERGUN Ufuk	TURKEY	A model study on settlement behaviour of granular columns in clay under compression loading
FILZ George	USA	Column-Supported Embankments - Bench-Scale and Field-Scale Tests
GAUTRAY Jean	SWITZERLAND	Title Identification of pore size distribution to identify plastic zones around stone columns of the paper
HASHEMI Hamid Reza	IRAN	Application of Standard Penetration Test (SPT) in Soil Improvement with Vibro Stone Column
HASHEMI Hamid Reza	IRAN	Liquefaction Potential Mitigation and Settlement Control in loose Soil with Vibro Stone Column- Case Study from Iran
JIMENEZ Rafael	SPAIN	Reliability based design of stone columns for ground improvement
KANIA Mieczyslaw M.	POLAND	Bearing capacity of geotextile encased columns in subsoil without firm stratum in the support zone.
KIRSTEIN Johannes	GERMANY	New B176 road foundation with different soil improvement techniques on the MIBRAG brown coal dump
KIRSTEIN Johannes	GERMANY	Rigid inclusions in combination with fast wick drain consolidation as soil improvement method in very soft and fat north German clay
LEJEUNE Colombine	BELGIUM	Realisation of integrated steep landscape slopes within existing railway
MAHBOUBI Ahmad	IRAN	Numerical analysis of static and dynamic behaviour of pile-supported embankments
MASSE – MENARD Frederic	FRANCE	Sustainable Use of Controlled Modulus Columns and Dynamic Compaction for the redevelopment of a Brownfield site
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MODONI Giuseppe	ITALY	Load transfer mechanisms of rigid columnar reinforcements for foundation
ORHAN Erol	TURKEY	Settlement reduction and stress concentration factors in rammed aggregate piers determined from full- scale group load tests
RAKOWSKI Zikmund	CZECH REPUBLIC	The Interaction of Rammed Aggregate Piers with Innovative Granular Plate
REEB Alexander	USA	Axial Capacity of Vibro-Concrete Columns
SANCIO Rodolfo	USA	Numerical Analysis of Drilled Shafts Used to Reinforce Stiff Clay wit Very Weak Sliding Planes
SANTRUCKOVA Hana	FRANCE	Experimental Study of Mixed Module Columns under Static and Dynamic Loading
VERSTRALEN Jan	BELGIUM	The use of stone columns as semi-rigid foundation and general soil improvement – design and performance testing
WEHR Jimmy	GERMANY	Design risks of ground improvement methods including rigid inclusions
YUNG S.H.	REPUBLIC OF CHINA	Stone Column and Vibro-compaction of Soil Improvement for liquefaction

SOIL REINFORCEMENT		
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ABU-FARSAKH Murad	USA	The Use of Geogrid Soil Reinforcement (GSR) to Improve the Performance of Bridge Approach Slab
AKBAS Sami O.	TURKEY	Comparison of the performance of rectangular footings on cohesionless soils reinforced with geogrid and geotextile
ALEXIEW Dimiter	GERMANY	15 years of experience with geotextile encased granular columns as foundation system
BOLOURI Jafar	IRAN	Bearing capacity of single footings reinforced with micropiles
DETERT Oliver	GERMANY	About long-term behaviour of foundations with geotextile encased granular columns
DIAMBRA Andrea	UNITED KINGDOM	Modelling the anisotropy of fibre reinforced granular soils
EKINCI Abdullah	UNITED KINGDOM	The undrained mechanical behaviour of a fibre-reinforced heavily over-consolidated clay
FLORA Alessandro	ITALY	Mechanical Behaviour of Fibre-Reinforced Soils
FLORA Alessandro	ITALY	Experimental and numerical analysis of pull out tests of nails - the effect of nails shape
KANNAN Ramanujachari	USA	Drilled shafts for slope stabilization in expansive soils
KOMAKPANAH Ali	IRAN	The Effect of Polymeric Strips on the Dynamic Behaviour of Reinforced Soil Retaining Walls
LAMBERT Serge	FRANCE	Soil reinforcement and improvement in seismic areas
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LOPEZ-TELLO Luis Fort	SPAIN	Soil reinforcement vegetation effect
MAEKELBERG Wim	BELGIUM	The realisation of the railway enlargement in an unstable excavation alongside the existing line L 50A at Dilbeek (Belgium)
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ZIAIE MOAYED Reza	IRAN	Numerical modelling of shear strength in a two-layer soil reinforced with geogrid

BIOGROUT AND OTHER GROUTING METHODS		
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BOLLENS Quentin	BELGIUM	When Jet grouting offers a solution where usual building techniques failed
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DURGUNOGLU Turan	TURKEY	Offshore Jet Grouting - A Case Study
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ESSLER Robert	UNITED KINGDOM	The design and execution of Compensation Grouting for Bridge 404, North South Metro Project, Amsterdam
FLORA Alessandro	ITALY	Reducing uncertainties in the prediction of the diameter of jet grouted
GESTO José M.	SPAIN	Coupled Thermo-Hydro-Mechanical modelization of Jet-Grouting and its interactions with surrounding soils
GHAROUNI Nik	IRAN	Application of grouting for improving the properties of rock mass at the abutment of a concrete dam
GHAROUNI Nik	IRAN	Laboratory investigations on groutability of type C alluvial used in ground improvement for construction metro tunnels
HOSSEINI RANJBAR Hassan	IRAN	Cement Grouting in Hornfels Rocks: A Case Study in Sarabi Reservoir Dam
KÖKTEN Özgen	TURKEY	Jet-Grout Application Under a Hydroelectric Power Plant Resting Partly on Rock and Colluvium
LI Bing	SINGAPORE	Biocementation of soft clay fills by urease-producing bacteria
MARKOU Ioannis	GREECE	Injections of microfine cement grouts into sand columns for penetrability evaluation (GR)
MOLLAMAHMUTOGLU Murat	TURKEY	Grautability of ultrafine cemet grout into sand specimens at various relative desity and gradation
PEISA Annina	FINLAND	Electrical Resistivity Tomography for Quality Control of Jet Grouting
PINTO Alexandre	PORTUGAL	Ground Improvement Solutions using Jet Grouting and Microplies for the new Cruise Terminal in Lisbon
PONOMARYOV Alexander	RUSSIA	Analysis of soil stabilization with the help of “jet grouting” method when constructing a municipal collector
SADEQUE FARHADI Mohummad	IRAN	Improvement of dispersive soil using electrokinetic injection of chemical solutions
TINOCO Joaquim	PORTUGAL	Application of a sensitivity analysis procedure to interpret uniaxial compressive strength prediction of jet grouting laboratory formulations performed by SVM model
VAN ALBOOM Gauthier	BELGIUM	Innovative monitoring tools for on line monitoring of building excavations. A monitoring test site
VAN DER STOEL A.E.C.	THE NETHERLANDS	Preservation of Panorama Mesdag, The Hague
VAN ZWIETEN G.	THE NETHERLANDS	Large scale en field test Biogrout

OTHER		
Coordinating author	**Country**	**Title**
ALJORANY Ala N	IRAQ	No Title
FARZIN Frazad	IRAN	Gravity retaining walls optimum design using genetic algorithm
HAASNOOT J.K.	THE NETHERLANDS	Ground freezing diaphragm wall joints Amsterdam
KARBALAIEALI Sogand	IRAN	EKGs Application for Hydro mechanical behaviour changing in Saturated Clay
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NOORZAD Ali	IRAN	Dynamic Analysis of Concrete Face Rockfill Dam (CFRD) A case study: Nesa dam, Kerman, Iran
SCHAEFER Vernon	USA	SHRP 2 R02 - Geotechnical Solutions for Transportation Infrastructure - A Web-based Toolkit
TREVE Christian	BELGIUM	Liefkenshoekspoortunnel – Antwerp Ground improvement for the passage of two TBM under the Kanaaldok
YEE J.H.S.	MALAYSIA	Electro-osmotic Consolidation for Improvement of Geotechnical Engineering Properties of Tropical Peat
YEE Kenny	MALAYSIA	Ground Reinforcement in Deep Water in Southeast Asia
YUAN J.	THE NETHERLANDS	Multi-dimensional electro-osmosis consolidation of clays
ZIAIE MOAYED Reza	IRAN	Effects of Shear Box Size on the Strength of Silty Sand in Direct Shear Tests