THÈMES TECHNIQUES / TECHNICAL THEMES

Sols problématiques / Problematic Soils

#Résumé #Abstract	Titre Title	Thème original Original Track	Premier auteur First author	Affiliation du premier auteur First author affiliation
ABS805	Reclamation of Material Sites in Continuous Permafrost of Alaska: An Example of Groundwater Flow between Pits	5.1 Pergélisol et glace de sol	eva stephani	Golder Associates
ABS150	DÉTERMINATION DE PROPRIÉTÉS PHYSIQUES ET MÉCANIQUES DU PERGÉLISOL DU NUNAVIK (QUÉBEC, CANADA)	5.1 Pergélisol et glace de sol	Jean Verreault	LVM, une division d'Englobe Corp.
ABS619	Penicillium fungi from permafrost: biosynthesis of secondary metabolites, peculiarities of growth and development	5.1 Permafrost Soils and Ground Ice	Anatoly Kozlovsky	G.K. Skryabin Institute of Biochemistry and Physiology of Microorganisms, RAS
ABS455	DInSAR displacements in built and natural permafrost environments, Iqaluit, Nunavut	5.1 Permafrost Soils and Ground Ice	Anne-Marie LeBlanc	Geological Survey of Canada, Natural Resources Canada
ABS357	Foundation design in warming saline permafrost in Longyearbyen, Svalbard	5.1 Permafrost Soils and Ground Ice	Arne Instanes	Instanes Polar AS
ABS118	Detection of ice-rich permafrost and massive ice using microgravimetry and thermal profiling	5.1 Permafrost Soils and Ground Ice	Benoit Loranger	Université Laval
ABS193	Quality assessment of monitoring the thermal state of permafrost by the GTN-P	5.1 Permafrost Soils and Ground Ice	Boris Biskaborn	Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
ABS358	Structural and deformation characteristics of a rock glacier on northern slope of Kunlun Mountain, Qinghai-Tibet Plateau, China	5.1 Permafrost Soils and Ground Ice	Changqing Qi	School of Earth Sciences and Engineering, Hohai University
ABS378	Rationalizing the Design of Adfreeze Steel Pipe Piles with Limit States Design	5.1 Permafrost Soils and Ground Ice	Ed Hoeve	Tetra Tech EBA Inc.
ABS330	Impacts of forest fires on seasonal thaw and permafrost thaw, Scotty Creek, Northwest Territories, Canada	5.1 Permafrost Soils and Ground Ice	Elyse Mathieu	Wilfrid Laurier University
ABS430	DEFORMATION OF THE RAILWAY EMBANKMENT AT THAWING PERMAFROST	5.1 Permafrost Soils and Ground Ice	Evgeny Ashpiz	Head of Department in Moscow St.Univers. of Railway Eng.
ABS088	The Variability of Soil Thermal and Hydrological Dynamics with Vegetation Cover in a Permafrost Region	5.1 Permafrost Soils and Ground Ice	Genxu Wang	Institute of Mountain Hazards and Environment, Chinese Academy of Sciences
ABS333	The Guiding Hand of J. Ross Mackay in Western Arctic Permafrost Research at the Geological Survey of Canada: The Early Days	5.1 Permafrost Soils and Ground Ice	James Hunter	Geological survey of Canada
ABS459	Massive ice structure in permafrost and its implication for development in the Canadian North	5.1 Permafrost Soils and Ground Ice	Jean-Marie Konrad	Université Laval
ABS170	Ground Ice and Thermokarst Along the Milne Inlet Access Road, Baffin Island	5.1 Permafrost Soils and Ground Ice	Kevin Jones	Tetra Tech EBA
ABS049	Experimental study on the strength and deformation of frozen silt with segregated ice	5.1 Permafrost Soils and Ground Ice	Li Haipeng	State Key Laboratory for Geomechanics and Deep Underground Engineering China University of Mining & Technology
ABS647	Incidence of Late Pleistocene syngenetic permafrost development on landscape evolution, Beaver Creek area, south-western Yukon, Canada.	5.1 Permafrost Soils and Ground Ice	Michel Sliger	Université de Montréal (Département de Géographie) & Centre d'Étude Nordique (CEN)
ABS512	Geohazard investigations of permafrost and permafrost gas hydrates in the outer shelf and upper slope of the Beaufort Sea	5.1 Permafrost Soils and Ground Ice	Scott Dallimore	Geological Survey of Canada
ABS799	Solifluction in Interior Alaska Imaged with Airborne LiDAR: Rifting and Differential Flow in Ice-Rich Silt	5.1 Permafrost Soils and Ground Ice	Steven A. Arcone	U. S. Army ERDC CRREL
ABS626	GPR and statistical investigations of subsurface structures in the frozen rocks.	5.1 Permafrost Soils and Ground Ice	Svetlana Bricheva	Lomonosov Moscow State University (MSU), Faculty of Geology, Seismics and geoacoustics department
ABS399	Temperature Field Investigation of Subgrade for Wide Pavement in Permafrost Region	5.1 Permafrost Soils and Ground Ice	Tao Ma	Southeast University
ABS780	Characterization of Sporadic Discontinuous Permafrost Occurrences in Northeastern, British Columbia	5.1 Permafrost Soils and Ground Ice	Tara Coultish	BGC ENGINEERING INC.

THÈMES TECHNIQUES / TECHNICAL THEMES
Sols problématiques / Problematic Soils

#Résumé #Abstract	Titre Title	Thème original Original Track	Premier auteur First author	Affiliation du premier auteur First author affiliation
ABS802	THE MICROORGANISMS FROM CRYOGENIC SOILS OF CENTRAL YAKUTIA	5.1 Permafrost Soils and Ground Ice	Tatyana Ivanova	Institute for biological problems of cryolithozone SB RAS
ABS402	The Eureka Sound lowlands: an ice-rich permafrost landscape in transition	5.1 Permafrost Soils and Ground Ice	Wayne Pollard	McGill University
ABS175	Evaluation and control of collapsible soils in Okanagan-Thompson area	5.2 Collapsible Soils and Quick Clays	Amin Bigdeli	Graduate Student
ABS618	Deep excavation within Varved Silt Deposits for Construction of Ultra Violet Water Disinfection Facility in Coquitlam, BC	5.2 Collapsible Soils and Quick Clays	Anthony Fuller	Golder Associates
ABS192	A critical appraisal over the sample-quality-assessment methods applied to low plastic sensitive soft clay samples	5.2 Collapsible Soils and Quick Clays	Helene Alexandra Amundsen	NTNU
ABS158	Estimation of the wetting front depth in a loess soil deposit in response to environmental factors	5.2 Collapsible Soils and Quick Clays	Ping Li	University of Ottawa
ABS057	THE SANTANA EXPOR TERMINAL POR ACCIDENT: COULD IT BE A SENSITIVE CLAY FLOW SLIDE UNDER THE EQUATOR?	5.2 Collapsible Soils and Quick Clays	SANDRO SANDRONI	CATHOLIC UNIVERSITY OF RIO DE JANEIRO
ABS545	Migration of potassium chloride from salt wells installed in low-saline, highly sensitive clay at the NTNU research site Dragvoll, Trondheim, Norway	5.2 Collapsible Soils and Quick Clays	Tonje Eide Helle	NTNU
ABS547	Laboratory study on the geotechnical behavior of potassium chloride saturated clay from Dragvoll, Norway	5.2 Collapsible Soils and Quick Clays	Tonje Eide Helle	NTNU
ABS107	In-situ measurement of remolding energy of sensitive clay	5.2 Collapsible Soils and Quick Clays	Vikas Thakur	Norwegian University of Science and Technology
ABS202	Conception d'une digue sur une fondation d'argile glacio-lacustre d'Abitibi	5.2 Sols susceptibles aux affaissements et argiles sensibles	Jérôme Lapierre	AMEC Foster Wheeler
ABS710	L'affaissement des chaussées construites sur sol argileux à Montréal, QC.	5.2 Sols susceptibles aux affaissements et argiles sensibles	Martin Tremblay	Ville de Montréal
ABS578	Stability Approach for the North Spur, Churchill River Valley	5.2 Sols susceptibles aux affaissements et argiles sensibles	Régis Bouchard	Professional Engineer
ABS685	Tassement et instabilité des argiles sensibles; des décennies de données nous aiderons-elles à apporter des solutions?	5.2 Sols susceptibles aux affaissements et argiles sensibles	Yvonick Houde	HBGC
ABS700	Foundation solutions for light and heavy construction on expansive soils: Case studies	5.3 Expansive Soils	Amir Poshnejad	EllisDon Corporation
ABS332	Analysis of Freezing Induced Soil Shrinkage with Implications Regarding Structural Change	5.3 Expansive Soils	Daryl Dagesse	Brock University - Geography Department
ABS328	DESIGN AND CHALLENGES OF RESIDENTIAL FOUNDATIONS ON EXPANSIVE SOILS IN BRAZIL	5.3 Expansive Soils	Fabio Albinode Souza	EBPX - Brazilian Prestressing Office
ABS222	A simple approach for estimating 1-D heave of expansive clay with respect to time	5.3 Expansive Soils	Hongyu Tu	Department of Civil Engineering, University of Ottawa
ABS250	Comparison of finite element and calculation methods of lateral earth pressure estimation for retaining structures with unsaturated expansive soils	5.3 Expansive Soils	Jiaying Guo	University of Ottawa
ABS198	Influence of Strength and Mechanical Behaviour of Bagasse Ash and Quick Lime Stabilized Expansive Soil	5.3 Expansive Soils	Liet Chi Dang	School of Civil and Environmental Engineering, University of Technology Sydney (UTS), Sydney, Australia
ABS322	Cyclic Swell-Shrink Behavior of Expansive Clay Stabilized with Aqueous Polymer	5.3 Expansive Soils	Mohammad Reza Golhashem	Eastern Mediterranean University
ABS323	Hydraulic Properties of Posidonia Oceanica Ash and Silica Fume Treated Expansive Soil	5.3 Expansive Soils	Sandra Ghavamshirazi	Eastern Mediterranean University
ABS224	Slope stability analysis of Nanyang expansive soils	5.3 Expansive Soils	Shunchao Qi	University of Ottawa

THÈMES TECHNIQUES / TECHNICAL THEMES
Sols problématiques / Problematic Soils

#Résumé #Abstract	Titre Title	Thème original Original Track	Premier auteur First author	Affiliation du premier auteur First author affiliation
ABS542	ANTHROPOGENIC TRANSFORMATION OF THE ACTIVE LAYER SOIL IN OLDEST CITIES IN NORTHEAST RUSSIA	5.3 Expansive Soils	Vladimir Makarov	Institute Permafrost
ABS264	Soil-Water Characteristic Curve Behavior of Expansive Soils	5.3 Expansive Soils	Xueming Wang	Department of Civil Engineering, University of Ottawa
ABS149	Estimation of uplift friction of single pile in expansive soil using the mechanics of unsaturated soils	5.3 Expansive Soils	Yunlong Liu	University of Ottawa
ABS496	Compressive Strength of Cemented Soil Reinforced with Tire Shred Waste under Cyclic Loading	5.4 Ground Improvement	Aly Ahmed	Civil & Environmental Eng. Dept., Faculty of Engineering, Western Ontario University
ABS392	Improvement of Expansive Clay Soils using Liquid Polymer Stabilizer	5.4 Ground Improvement	Fatemehzahra Ahooee	Eastern Mediterranean University
ABS103	INFLUENCE OF THE LENGTH OF CONTROLLED MODULUS COLUMNS ON LOAD TRANSFER MECHANISM OF EMBANKMENTS ON SOFT SOIL	5.4 Ground Improvement	Hamed Mahdavi	Centre for Built Infrastructure Research, School of Civil and Environmental Engineering, University of Technology Sydney (UTS)
ABS168	Assessment of soil movements due to the installation of the Controlled Modulus Columns ground improvement technique	5.4 Ground Improvement	Huu Hung Nguyen	University of Technology Sydney Australia
ABS109	The Use of the Geopier® Intermediate Foundation® System for Support of Seven Wind Turbine Foundations in Eastern Ontario	5.4 Ground Improvement	Jason Brown	GeoSolv Design/Build Inc.
ABS206	Liquefaction Mitigation Using Rapid Impact Compaction and a Comparison of SPT and CPT Confirmation Testing	5.4 Ground Improvement	Jason Brown	GeoSolv Design/Build Inc.
ABS563	Research on frost-heaving characteristics and its unloading effect of artificial frozen soil	5.4 Ground Improvement	Jianhua Huang	College of Civil Engineering,Fujian Technology University
ABS022	Riverbed Liquefaction Mitigation in Gatineau River – Application of Stone Columns	5.4 Ground Improvement	Jordan Hunt	Geopac
ABS063	Assessment of different treatment methods of microbial-induced calcite precipitation for clayey soil improvement	5.4 Ground Improvement	Liang Cheng	Murdoch University
ABS209	High Capacity Footings in Natural and Fill Soils using Sustainable Rammed Aggregate Piers®	5.4 Ground Improvement	Mark Tigchelaar	GeoSolv Design/Build Inc.
ABS185	Developed strength and engineering properties of stabilized organic soil using chemical admixture: A linear regression model	5.4 Ground Improvement	Md. Rafizul Islam	Graduate Student
ABS045	Chemical Stabilization of Dispersive Clay by Lime and Nano Montmorillonite	5.4 Ground Improvement	Mehdi Jalili	Assistant professor, Faculty of Civil Engineering, Geotechnical Department, Islamic Azad University, Semnan Branch, Semnan, Iran
ABS757	Tactile sensors technology application on buried structures	5.4 Ground Improvement	Mohamed A. Meguid	McGill University
ABS670	Site Preparation for Vancouver Airport Designer Outlet Centre, Sea Island, Richmond, BC	5.4 Ground Improvement	Mustapha Zergoun	Thurber Engineering Ltd.
ABS609	FINITE ELEMENT MODELLING OF STONE COLUMN INSTALLATION: REVIEW OF MODELLING PRACTICES AND CASE STUDY WITH PLAXIS 2D	5.4 Ground Improvement	Olivier Hurley Hurley	Université de Sherbrooke
ABS046	Using Micropiles Technique as a Settlement Control Tool in Underpinning of Limited Headroom Cases	5.4 Ground Improvement	RAMI BAKR	DELTA UNIVERSITY
ABS190	Effect of long-term static load on the L-shaped retaining wall installed with thinned wooden pile and fiber optic geogrid using BOTDR method	5.4 Ground Improvement	Suman Manandhar	Visiting Associate Professor, Institute of Lowland and Marine Research, Saga University
ABS124	Soil Consolidation Aid for Clay-based Unpaved Roads	5.4 Ground Improvement	Sylvia Bryson	C-CORE
ABS148	Soft Clay Drainage Consolidation Using Electrically Conductive Wick Drains (ECWD)	5.4 Ground Improvement	Weilie Zou	Wuhan University

THÈMES TECHNIQUES / TECHNICAL THEMES

Sols problématiques / Problematic Soils

#Résumé #Abstract	Titre Title	Thème original Original Track	Premier auteur First author	Affiliation du premier auteur First author affiliation
ABS494	Peak strength of lime-treated London Clay under saturated and unsaturated conditions	5.4 Ground Improvement	Xiwei Zhang	Northeastern University
ABS247	Effet de la biocalcification sur l'interaction Sol-Structure entre un sable et une fondation superficielle lors de chargements sismiques	5.4 Techniques d'amélioration des sols	Benoit St-Onge	École Polytechnique de Montréal
ABS228	Prevention of internal erosion of granular soils by biocalcification	5.4 Techniques d'amélioration des sols	Fatima-Zahra Haouzi	École Polytechnique de Montréal