THÈMES TECHNIQUES / TECHNICAL THEMES

Caractérisation des sols et de sites d'étude / Soil and Terrain Characterization

#Résumé #Abstract	Titre Title	Thème original Original Track	Premier auteur First author	Affiliation du premier auteur First author affiliation
ABS586	Improvement of Piezo-electric Ring Actuator technique (P-RAT) using numerical simulations	2.1 Essais en laboratoire	Ahmed Mhenni	Université de Sherbrooke
ABS719	Air in laboratory seepage tests: implication, measurement, remediation	2.1 Essais en laboratoire	Céline Bouin	École de technologie supérieure
ABS342	Résistance mécanique et pressions de fracturation de quelques matériaux rocheux sédimentaires typiques	2.1 Essais en laboratoire	Denis Labrie	CanmetMines, Ressources naturelles Canada
ABS503	EGT Sampling Method; toward undisturbed sand sample	2.1 Essais en laboratoire	Jean-François St-Laurent	WSP
ABS445	A Study on Particle Breakage using a Gyratory Compactor	2.1 Essais en laboratoire	Jean-Marie Konrad	Université Laval
ABS317	Permanent deformation of unbound granular materials: Development of a testing methodology	2.1 Essais en laboratoire	Jean-Pascal Bilodeau	Département de génie civil - Université Laval
ABS553	Caractérisation des matériaux des carrières de Sud et Centre de la Tunisie pour application routière.	2.1 Essais en laboratoire	Khalil LAZAAR	Faculté des Sciences de Sfax (Tunisie)
ABS131	Évaluation en laboratoire des propriétés thermiques du bassin sédimentaire des Basses-Terres du Saint-Laurent.	2.1 Essais en laboratoire	Maher NASR	Institut national de la recherche scientifique (INRS) Eau Terre Environnement Québec QC (Canada
ABS161	Essais d'indentation sur une argile sensible	2.1 Essais en laboratoire	Mireille Sandrine Ewane	École polytechnique de Montréal
ABS121	Minimizing the scaling effect on the measured Vs using the P-RAT	2.1 Essais en laboratoire	Mohamed Ben Romdhan	université de sherbrooke
ABS365	Experiment setup for simple shear tests in a triaxial cell: TSS	2.1 Essais en laboratoire	mohamed chekired	Hydro-Québec
ABS489	Correlation between elastic modulus at large strain and shear wave velocity	2.1 Essais en laboratoire	Mourad Karray	Université de Sherbrooke
ABS549	Formulation d'un nouveau matériau routier à base de sédiments marins de dragage	2.1 Essais en laboratoire	Walid Maherzi	ecole des mines de Douai
ABS468	Simple shear loading response of undisturbed and reconstituted silt	2.1 Laboratory Testing	Achala Soysa	University of British Columbia
ABS416	Effect of Fibre Reinforcement on Triaxial Shear Behaviour of Cemented Sand with Different Cement Types	2.1 Laboratory Testing	Amir Hamidi	Kharazmi University
ABS767	INTERMITTENT CURING OF FLY ASH GEOPOLYMER MORTAR	2.1 Laboratory Testing	Amr Helmy	Civil Engineering Department, The British University in Egypt
ABS218	Geotechnical Characteristics of Barlow-Ojibway Clay in Northern Ontario	2.1 Laboratory Testing	Andrew Drevininkas	Downunder Geotechnical Limited
ABS229	Effect of salts on the determination of the water content and Atterberg limits of El-Hodna sabkha soil	2.1 Laboratory Testing	BELKACEM MOUSSAI	USTHB university
ABS723	Some Experimental Findings on the Influence of Mode of Shear on the Cyclic Response of Natural Silts	2.1 Laboratory Testing	Daniel Barnes	University of British Columbia
ABS273	Frozen Fringe Thickness Estimation by X-ray Computed Tomography	2.1 Laboratory Testing	DAYAN WANG	State Key Laboratory of Frozen Soil Engineering, CAREERI, CAS,
ABS156	MODULUS OF ELASTICITY ESTIMATION WITH ONE DIMENSIONAL CONSOLIDATION TEST	2.1 Laboratory Testing	Esra Nur Tanriseven	Middle East Technical University, Mining Engineering Department
ABS305	Method of determining the thermal conductivity of dispersed gas-saturated sediments under conditions of hydrate and ice formation	2.1 Laboratory Testing	Evgeny Chuvilin	Skolkovo institute of sience and technology, Moscow state university
ABS679	DETERMINATION OF SOIL-WATER CHARACTERISTIC CURVE OF SLURRIED AVONLEA CLAY	2.1 Laboratory Testing	Faseel Khan	University of Regina

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ABS126	Laboratory Assessment of Energy Efficiency in Vibratory Compaction of Granular Materials	2.1 Laboratory Testing	Federico Fernandez	Geofed
ABS171	Effect of Fluid Chemistry on the Microstructure of Light Backfill: A X-ray CT analysis	2.1 Laboratory Testing	Grytan Sarkar	Graduate Student
ABS449	Measuring the small-strain elastic anisotropy of a carbonate clay till with the resonant column apparatus.	2.1 Laboratory Testing	Jesús González-Hurtado	Geotechnical Research Centre, Department of Civil Engineering, University of Western Ontario.
ABS770	Effect of ageing on stiffness of very loose sand	2.1 Laboratory Testing	John Howie	University of British Columbia
ABS179	Soil strength and stiffness degradation of a clay beneath a wind turbine foundation.	2.1 Laboratory Testing	Jordan Kiss	Geotechnical Research Centre, Department of Civil and Environmental Engineering, Western University
ABS457	Geotechnical and geoenvironmental characterization of bentonite-enhanced sand mixtures	2.1 Laboratory Testing	Kazem Badv	Urmia University
ABS603	Engineering Characteristic of Glacial Tills in GTA	2.1 Laboratory Testing	Laifa Cao	SPL Consultants Limited, Ontario, Canada
ABS550	Determination of frozen and thawing soils viscosity using spherical stamp test	2.1 Laboratory Testing	Lidya Roman	Moscow State University
ABS444	Constant-head permeability tests performed in monitoring wells at laboratory scale	2.1 Laboratory Testing	Lu Zhang	Ecole polytechnique de Montreal
ABS393	Evaluation of DSS test results on granular soils based on TSS results	2.1 Laboratory Testing	Mahmoud Hussien	Assuit University
ABS680	Consolidation properties of a clay-rich uranium slurry	2.1 Laboratory Testing	Maki Ito	University of Regina
ABS541	A generalized global optimization application and its use in determining the hydraulic properties of unsaturated sands	2.1 Laboratory Testing	Marc Lebeau	Laval University
ABS678	The results of 5- year experiment of methane production from frozen soils	2.1 Laboratory Testing	Mariia Cherbunina	Lomonosov Moscow State University
ABS052	Recent Developments in Laboratory Frost Heave Testing of Soils	2.1 Laboratory Testing	Mark Nixon	Golder Associates Ltd.
ABS130	Evaluation of equivalent cycles liquefaction concept based on TSS test results	2.1 Laboratory Testing	Marwan Khashila	Département de génie civil – Université de Sherbrooke
ABS135	Durability of Lightly Stabilised Granular Material Subjected to Wet-Dry Cycles	2.1 Laboratory Testing	Mathanraj Theivakularatnam	PhD student
ABS178	Elasto-plastic behavior of sand under cyclic loading conditions	2.1 Laboratory Testing	Md. Jahid Iftekhar Alam	Postgraduate Research Student, SEIT, The University of New South Wales (UNSW), Canberra, Australia
ABS213	Influence of Temperature on Mechanical Properties of Expansive Soil Treated with Cement	2.1 Laboratory Testing	Mohsen Ramezan Shirazi	Eastern Mediterranean University
ABS350	Effect of density and moisture content on the potential collapse of soils in semi-arid areas	2.1 Laboratory Testing	Octavio Enrique Cárdenas Díaz	Universidad Autonoma de Coahuila
ABS295	The effect of Drying Duration on Unconfined Compressive strength of expansive soils mixed with Portland cement	2.1 Laboratory Testing	Orod Zarrinkafsh	Eastern Mediterranean University
ABS543	Thawing soils testing	2.1 Laboratory Testing	Pavel Kotov	Moscow State University
ABS731	Laboratory test results of the thermal conductivity of sealing material in the DGR at different saturation degrees	2.1 Laboratory Testing	Pedram Abootalebi	Queen's University
ABS194	Experimental investigations on the influence of cyclical freezing and thawing on mechanical properties of foamed lightweight concrete	2.1 Laboratory Testing	Qian Su	Southwest Jiaotong University

THÈMES TECHNIQUES / TECHNICAL THEMES

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ABS623	Composition, structure and properties of frozen and thawed soils, Baydara bay coast Kara Sea: variability and trends	2.1 Laboratory Testing	Rimma Motenko	Lomonosov Moscow State University
ABS535	Geotechnical Properties of a Compacted Saprolitic Residual Soil based on Advanced Laboratory Testing	2.1 Laboratory Testing	SAMAN ZARNANI	BGC ENGINEERING
ABS537	Geotechnical Properties of an Undisturbed Saprolitic Residual Soil based on Advanced Laboratory Testing	2.1 Laboratory Testing	saman zarnani	BGC ENGINEERING
ABS522	Study of Soil Strength Improvement Using Polymers	2.1 Laboratory Testing	Sepehr Rezaeimalek	Ph.D. Candidate
ABS677	Small strain modulus and damping measurements using simple shear	2.1 Laboratory Testing	Siva Sivathayalan	Carleton University
ABS034	Corrections Effect on Shear Strength Parameters of Loose Sands	2.1 Laboratory Testing	Tarek Omar	Western University
ABS792	Frost heave behavior of unsaturated soils under low overburden pressure and its estimation	2.1 Laboratory Testing	Tatsuya Ishikawa	Hokkaido University
ABS524	Emulsion Polymer Stabilization for Mine Tailings	2.1 Laboratory Testing	Yazeed Alsharedah	University of Western Ontario
ABS036	Evaluation of the undrained shear strength of Champlain Sea clays in Ottawa (Leda clay) using CPT	2.2 In Situ Testing	Athir Nader	Stantec Consulting Ltd.
ABS608	Microzonage sismique de la ville des Cayes (Haïti)	2.2 In Situ Testing	Betegard Jeudy	Département de génie civil de l'Université de Sherbrooke / LNBTP
ABS374	The role of lateral stress coefficient (K0) on shear wave velocity correlations for Canadian clays	2.2 In Situ Testing	Elbeggo Dania	École de technologie supérieure
ABS397	A preliminary analysis of protective effect on permafrost of typical embankment along Gonghe-Yushu highway	2.2 In Situ Testing	Feng Ziliang	Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences
ABS297	bored pile; permafrost; pile side resistance; pile bearing capacity	2.2 In Situ Testing	Junwei Zhang	Southwest Petroleum University
ABS452	Statistical Correlations between Pressuremeter Modulus (EPMT) and Standard Penetration Test N-Value for Glacial Tills	2.2 In Situ Testing	Kanagaratnam Balachandran	Ryerson University
ABS251	Interpretation and correlation of CPTu and vane shear tests for very soft varved silty clays – A case study	2.2 In Situ Testing	Lincar Pedroni	SNC-Lavalin Inc. (Sustainable Mine Developpement, M&M)
ABS337	Lateral transport through wetlands in the discontinuous permafrost region	2.2 In Situ Testing	Lindsay Stone	Wilfrid Laurier University
ABS606	In-situ characterization through combined interpretations of pressuremeter, field vane, and seismic piezocone testing at the Gloucester, ON	2.2 In Situ Testing	Mark Anthony Styler	ConeTec Investigations Ltd.
ABS801	In-Situ Testing in Canada's Western Till	2.2 In Situ Testing	Nasser Massoudi	Bechtel Power Corporation
ABS035	Formation of soil-setup soil plugs within H-Piles driven in stiff clayey Port Stanley till near London, Ontario	2.2 In Situ Testing	Raymond Haché	Stantec Consulting Ltd.
ABS548	Investigation on the soil thermal conductivity of different underlying surfaces in the northern Qinghai-Tibetan Plateau, china	2.2 In Situ Testing	Ren Li	Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences
ABS396	Investigations of discontinuous permafrost in coastal Labrador with DC electrical resistivity tomography	2.2 In Situ Testing	Robert Way	University of Ottawa

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ABS300	Measurement of the small strain stiffness of glacial till using geophysical methods and barometric loading response	2.2 In Situ Testing	Ruth Harley	Queen's University Belfast
ABS353	Non-destructive inspection of the surface of underground structures based on the propagation of surface waves	2.2 In Situ Testing	Simon-Pierre Tremblay	Département de génie civil - Université de Sherbrooke
ABS407	Data Quality in Field Sampling: A Case Study	2.2 In Situ Testing	Steven Rose	MALROZ Engineering Inc.
ABS778	Soil Temperature Variation and Thaw-freezing Cycle in Northern Tibetan Plateau in China	2.2 In Situ Testing	WEI QI	Key Laboratory of Land Surface Pattern and Simulation, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences
ABS458	Numerical simulation of pressuremeter tests in glacial till	2.2 In Situ Testing	Yankun Liang	China University of Mining and Technology
ABS243	Geotechnical and geophysical characteristics of soils in Mahotiere area (Kenscoff - Haiti)	2.2 Mesures in situ	Berthoumieux Junior Jean	Faculté des Sciences de l'Université d'Etat d'Haiti
ABS555	Etude de corrélations entre les résultats d'essais pressiometriques et de pénétration dynamique. Cas de la station Hai el badr - Métro Alger	2.2 Mesures in situ	Fatiha DEBICHE	Universite des sciences et de la technologie Bab Ezzouar, Algerie
ABS646	Caractérisation des zones exposées aux glissements de terrain fortement rétrogressifs à l'aide de la mesure de la résistivité électrique, région de Brownsburg, Québec	2.2 Mesures in situ	Karine Bélanger	Ministère des Transports
ABS011	Estimation de la conductivité hydraulique et de la porosité des lithofaciès identifiés dans les dépôts granulaires du paléodelta de la rivière Valin au Saguenay (Québec)	2.2 Mesures in situ	LAMINE BOUMAIZA	Stantec Experts Conseils Ltée
ABS518	MESURES DE RADAR EN PUITS POUR LA LOCALISATION DU NOYAU IMPERMÉABLE DU BARRAGE DE LA ROMAINE-2	2.2 Mesures in situ	Michel Chouteau	École Polytechnique
ABS564	N2O and CO2 dynamics in a frozen soil	2.2 Mesures in situ	Sebastien Lange	Université Laval
ABS009	Application du piézocône pour l'évaluation de la sécurité d'ouvrages de retenue fondés sur des dépôts stratifiés	2.2 Mesures in situ	Valérie Michaud	Groupe Qualitas Inc.
ABS419	A New Indirect Diametral Tensile Testing Setup to Determine Stiffness Modulus and Poisson's Ratio of Lightly Stabilised Granular Materials	2.3 Instrumentation	Dalim Paul	Department of Civil and Architectural Engineering, Qatar University
ABS693	Lake bottom imagery: a simple, fast and inexpensive method for surveying shallow freshwater ecosystems of permafrost regions	2.3 Instrumentation	Frédéric Bouchard	Université de Montréal, INRS-ETE & Centre d'études nordiques (CEN)
ABS659	Permafrost depth and past climate change indicated in temperature data of a 140 m deep borehole in the El'gygytgyn Impact crater, NE Russia	2.3 Instrumentation	Georg Schwamborn	Alfred-Wegener-Institute Helmholtz Centre for Polar and Marine Research
ABS744	Metadata protocol for ground temperature measurements	2.3 Instrumentation	Kumari Karunaratne	Northwest Territories Geoscience Office
ABS128	Force Monitoring of Pre-stressing Anchors in Geotechnical Applications using DYNA Force Sensors	2.3 Instrumentation	Shahid Islam	DYWIDAG-Systems International

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ABS270	Soil freezing and thawing processes affected by the different landscapes in the middle reaches of Heihe River Basin, Gansu, China	2.3 Instrumentation	Ying Zhao	Northwest Agriculture and Forestry University
ABS320	Watershed delineation of permafrost disturbance on eastern Banks Island, NWT: a geomatic approach for predicting water quality impacts	2.4 GIS and Remote Sensing	Ashley Rudy	Queen's University
ABS418	Advanced InSAR for Permafrost Related Ground Motion	2.4 GIS and Remote Sensing	Bernhard Rabus	3v Geomatics Inc.
ABS375	New techniques for mapping permafrost conditions	2.4 GIS and Remote Sensing	Brian Moorman	University of Calgary
ABS491	On the precision, accuracy, and utility of oblique aerial 'structure from motion' photogrammetry for rock slope monitoring and assessment	2.4 GIS and Remote Sensing	Dave Gauthier	Queen's University
ABS682	Development of a method to detect subsidence by D-InSAR in permafrost regions	2.4 GIS and Remote Sensing	Julia Boike	Alfred Wegener Institute, Helmholtz Center for Polar and Marine Research
ABS804	Terrain analysis for high voltage transmission line routing using remote sensing techniques	2.4 GIS and Remote Sensing	Lynden Penner	J.D. Mollard and Associates
ABS684	Large-scale and long-term settlement monitoring: the benefits of using remote sensing for major geotechnical projects.	2.4 GIS and Remote Sensing	Pierre-Jean Alasset	C-CORE
ABS398	A preliminary rock glacier inventory for the Torngat Mountains of northern Labrador, Canada	2.4 GIS and Remote Sensing	Robert Way	University of Ottawa
ABS177	Remote sensing and ground based measurements to identify geomorphological patterns in permafrost	2.4 GIS and Remote Sensing	Thomas Douglas	U.S. Army Cold Regions Research and Engineering Laboratory
ABS277	Temporal and Spatial variation analysis on land surface temperature over Qinghai-Xizang Plateau	2.4 GIS and Remote Sensing	Yang Chengsong	Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences