THÈMES TECHNIQUES / TECHNICAL THEMES

Aspects fondamentaux / Fundamentals

#Résumé #Abstract	Titre Title	Thème original Original Track	Premier auteur First author	Affiliation du premier auteur First author affiliation
ABS581	North Spur Stabilization Works: 50 years of History	1.1 Mécanique des roches et des sols	Anthony Rattue	Professional Engineer
ABS596	Caractérisation statistique de la résistance en compression uniaxiale du roc intact pour un projet minier.	1.1 Mécanique des roches et des sols	Catherine Boudreau	Université Laval
ABS576	Modélisation en mécanique des sols non saturés (Cas de l'algérois)	1.1 Mécanique des roches et des sols	FATMA ZOHRA AISSIOU	USTHB / FGC
ABS047	Un modèle pour décrire la variation de la densité des remblais en fonction de la hauteur de chute	1.1 Mécanique des roches et des sols	Huy Hiep Vu	École Polytechnique de Montréal
ABS274	Valorisation de sols fins par un procédé de biocalcification	1.1 Mécanique des roches et des sols	Jean-Baptiste Waldschmidt	École polytechnique de Montréal
ABS593	A rheological approach to the mechanical behavior of some marls samples in Haiti	1.1 Mécanique des roches et des sols	Kelly Guerrier	URGéo-FDS-UEH, Université d'État d'Haïti
ABS340	ÉTUDE DU COMPORTEMENT STATIQUE ET CYCLIQUE DES ARGILES SENSIBLES DE L'EST DU CANADA	1.1 Mécanique des roches et des sols	Paola Cardenas	Groupe Qualitas
ABS482	Dimensionnement des fondations profondes - Comparaison des résultats obtenus à partir de l'Eurocode 7 et du Manuel canadien d'ingénierie des fondations	1.1 Mécanique des roches et des sols	Philippe LAHEURTE	Cerema, Toulouse
ABS383	The influence of a cavity air fraction on the interpretation of results from hydraulic pulse tests	1.1 Soil and Rock Mechanics	A.P.S. Selvadurai	Department of Civil Engineering and Applied Mechanics
ABS624	Estimation of Elastic Modulus for Limestone Rock using In situ and Laboratory Tests	1.1 Soil and Rock Mechanics	Ahmed Farid	Housing and Building National Research Center, HBRC
ABS639	THE EFFECT OF SALINITY DIFFERENCE BETWEEN PORE FLUID AND AMBIENT FLUID ON ROCK SWELLING	1.1 Soil and Rock Mechanics	Ahn Taesang	PhD, P.Eng.
ABS066	A practical constitutive model for Sands	1.1 Soil and Rock Mechanics	Alireza Azami	Geomechanics Specialist
ABS756	The Use of Analytical Methods in the Evaluation of the Seismic Stability of the Franklin Falls Dam Subject to the 1982 New Hampshire Earthquake	1.1 Soil and Rock Mechanics	Angie Arbaiza	Ecole Polytechnique de Montreal
ABS642	Improving Ground Support Design With Distributed Strain Monitoring	1.1 Soil and Rock Mechanics	Bradley Forbes	GeoEngineering Centre, Queen's-RMC
ABS096	Performance Analysis of A Soil Nail Wall Of A Deep Excavation	1.1 Soil and Rock Mechanics	Emad Zolqadr	P.O.R. Consulting Engineers Company
ABS095	Post construction deformations of soil nailed walls- case studies	1.1 Soil and Rock Mechanics	Emad Zolqadr	P.O.R. Consulting Engineers Company
ABS119	Role of air-entry value in the prediction of the unsaturated permeability	1.1 Soil and Rock Mechanics	FEIXIA ZHANG	University of Alberta
ABS568	Ecological Board for Groundwater's of the Irrigated Grounds	1.1 Soil and Rock Mechanics	Gani Mavlyanov	Institute of Hydrogeology and Engineering geology
ABS637	Stability analyses of the cemented backfill in a primary stope sandwiched by an uncemented backfilled secondary stope and another excavated	1.1 Soil and Rock Mechanics	Guangsheng Liu	Beijing General Research Institute of Mining & Metallurgy
ABS627	Performance Based Design of Abraded Soldier Pile in Deep Excavation	1.1 Soil and Rock Mechanics	Hadi Momeni	Pajouhesh Omran Rahvar
ABS768	Instrumentation Monitoring of a Test Fill Constructed Over Peat and Soft Clay Deposits in Northern Alberta	1.1 Soil and Rock Mechanics	Hamid Karimpour	Golder Associates Ltd.
ABS257	Geosynthetics Reinforced Two-Staged Crash Wall Design and Construction on the 96th Ave NE extension across CP rail project, Calgary AB	1.1 Soil and Rock Mechanics	Hardwin Zhen	APEGGA

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ABS534	Swelling Potential of Queenston Shale in Lubricant fluids	1.1 Soil and Rock Mechanics	HAYDER MOHAMMED SALIM AL-MAAMORI	Ph.D. Candidate
ABS388	Simulation of Hydro-Mechanical Behavior of Rock During Brittle Failure Considering the Grain-Scale Heterogeneity of Real Rock Material	1.1 Soil and Rock Mechanics	Kiarash Farahmand	Queens University
ABS326	Temporary Slope Stabilization at the Airport Trail Underpass Excavation, Calgary International Airport	1.1 Soil and Rock Mechanics	Lee Nichols	Terracon Geotechnique Ltd.
ABS653	Numerical models for analyzing the consolidation behaviour of mine tailings	1.1 Soil and Rock Mechanics	Mahammad Ubaid	Department of Civil Engineering, IIT Guwahati
ABS521	Inherent and Induced Anisotropy in Granular materials	1.1 Soil and Rock Mechanics	Marjan Oboudi	McMaster University
ABS359	Effect of chemical grouting on the shear behavior of rock joints	1.1 Soil and Rock Mechanics	Massoud Palassi	University of Tehran
ABS587	Experimental characterization of effective stress in unsaturated granular materials	1.1 Soil and Rock Mechanics	Mathieu Nuth	Université de Sherbrooke
ABS584	The Evaluation of Soil Liquefaction Potential Using Shear Wave Velocity	1.1 Soil and Rock Mechanics	mehran naghizaderokni	author
ABS635	Reliability analysis of soil liquefaction based on standard penetration: a case study in Babol city	1.1 Soil and Rock Mechanics	mehran naghizaderokni	author
ABS110	Influence of Particles Shape, Size and Uniformity of sands on the Void Ratio Range and Consequently on the Dynamic Penetration Tests Results	1.1 Soil and Rock Mechanics	Michael Ghali	Department of Civil Engineering, Faculty of Engineering , Sherbrooke University (QC), Canada
ABS111	Laboratory investigation on the effect of grain size distribution of granular material on cone penetration test results	1.1 Soil and Rock Mechanics	Michael Ghali	Department of Civil Engineering, Faculty of Engineering , Sherbrooke University (QC), Canada
ABS771	Tire-Derived Aggregates as a Backfill for Bridge Abutments and Retaining Walls	1.1 Soil and Rock Mechanics	Miguel Pando	University of North Carolina at Charlotte
ABS059	Effect of initial shear stress direction and overconsolidation on the response of sand under monotonic loads	1.1 Soil and Rock Mechanics	Mohammad Shahsavari Goughari	University of Toronto
ABS583	Lab Experimental and Constitutive Study of Colorado Shale at Elevated Temperatures	1.1 Soil and Rock Mechanics	Morteza Mohamadi	University of Calgary
ABS038	Analysis and Large Displacements of an Aggregate Stockpile	1.1 Soil and Rock Mechanics	Mrinmoy Kanungo	Golder Associates Ltd.
ABS401	The Influence of Tunneling on Slope Stability	1.1 Soil and Rock Mechanics	Nicholas Vlachopoulos	Royal Military College of Canada
ABS201	Comportement mécanique d'un gravier à l'état saturé et non saturé	1.1 Soil and Rock Mechanics	Paul Chiasson	Université de Moncton
ABS559	Extreme values, skewed distributions, power laws, chaos and fractals in geotechnique	1.1 Soil and Rock Mechanics	Pete Quinn	BGC Engineering Inc
ABS414	Stress strain behaviour of silty soils in triaxial tests	1.1 Soil and Rock Mechanics	Rajith Dayarathne	Memorial University,NL
ABS762	Inverse Modelling of Desorption Tests to Establish the Hydraulic Conductivity of Unsaturated Quebec Granitic Sand	1.1 Soil and Rock Mechanics	S.M. Javad H. Siahdashti	Laval University
ABS766	Effect of grain size distribution on the hydraulic properties of unsaturated granite sand	1.1 Soil and Rock Mechanics	S.M. Javad H. Siahdashti	Laval University
ABS738	Numerical Study on the Effect of Particle Grading on the Triaxial Shear Response of an Idealized Granular Assemblage from Micro to Macro	1.1 Soil and Rock Mechanics	Samaneh Amirpour Harehdasht	Civil Engineering, Université de Sherbrooke

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ABS632	Biogeochemical pulses among three vegetation types in the low Arctic during the winter-spring transition period	1.1 Soil and Rock Mechanics	Veronika Wright	Queen's University
ABS188	The effect of freezing on the microstructure of clays consolidated at high pressure	1.1 Soil and Rock Mechanics	Xiang-yu Shang	China University of Ming and Technology
ABS495	TRUE TRIAXIAL TESTING AND ITS APPLICATION IN DEEP ROCK MECHANCS	1.1 Soil and Rock Mechanics	Xiwei Zhang	Northeastern University
ABS235	Facteurs de forme pour la capacité portante d'une semelle circulaire sur une argile non-homogène	1.2 Fondation	Abdelhak MABROUKI	Laboratoire de Recherche en Génie Civil, Université de Biskra, Algérie
ABS751	Numerical Study for soil–spring stiffness of pile group	1.2 Fondation	Lassaad Hazzar	Department of Civil Engineering, University of Sherbrook, Sherbrooke, Québec, Canada
ABS162	An improved solution for the expansion of cylindrical cavities in modified cam clay	1.2 Fondation	Vincenzo Silvestri	École polytechnique de Montréal
ABS480	Load Transfer of Helical Piles in Frozen Ground	1.2 Foundation Engineering	Abdulghader Abdulrahman	Carleton University
ABS753	Long Term Cyclic Loading Effects on the System Stiffness and Capacity	1.2 Foundation Engineering	Ahmed Abdelkader	PhD studen, University of Western Ontario
ABS021	Lateral Performance of Helical Tapered Piles in Sand	1.2 Foundation Engineering	Ahmed Fahmy	The University of Western Ontario
ABS625	Behavior of Bored Pile Capacity using Static and Dynamic Load Tests	1.2 Foundation Engineering	Ahmed Farid	Housing and Building National Research Center, HBRC
ABS412	Uplift of Single-Helix Screw-Piles in Sand and Clay for Solar Panel Foundations	1.2 Foundation Engineering	Alan Lutenegger	University of Massachusetts
ABS413	Installation Torque Study of Helical Piles in Clay and Sand	1.2 Foundation Engineering	Alan Lutenegger	University of Massachusetts
ABS042	Effects of Tunneling On the Bearing Capacity of Shallow Foundations	1.2 Foundation Engineering	Anna Maria Zakhem	Dalhousie University
ABS008	Constraints to Embankment Construction from Fines Containing Silt, Kaolinite, and Carbonates	1.2 Foundation Engineering	Arya Assadi Langroudi	Lecturer - RA
ABS070	DRILLED SHAFT PILE TIP RESPONSE IN GLACIAL TILL SOILS – COMPARISON BETWEEN CONVENTIONAL AND CFA METHOD	1.2 Foundation Engineering	ASM (MASUD) KARIM	SNC LAVALIN
ABS554	Static and cyclic design aspects for foundation piles of offshore wind farms	1.2 Foundation Engineering	Axel Nernheim	RWE Offshore Logistics Company GmbH
ABS254	NUMERICAL INVESTIGATION FOR THE EFFECT OF FRICTION COEFFICIENT BETWEEN PILE AND SOIL ON NEGATIVE SKIN FRICTION	1.2 Foundation Engineering	Ayman Ibrahim	faculty of engineering mansoura university
ABS536	ANALYSIS OF RIGID MONOPILES IN LAYERED ELASTIC SOIL	1.2 Foundation Engineering	Bipin Kumar Gupta	PhD student at University of Wtaerloo
ABS100	Fraser Heights Bridge – Geotechnical Challenges of Top-Down Construction	1.2 Foundation Engineering	Brian Hall	Tetra Tech EBA
ABS292	Research on Foundation Design in Engineering Geological and Geocriological Condition of Permafrost in Mongolia	1.2 Foundation Engineering	Dashjamts Dalai	Mongolian University of Science Technology
ABS020	Reliability Based Design Calibration for Two North Saskatchewan River Crossings	1.2 Foundation Engineering	David Elwood	University of Saskatchewan
ABS142	A Study of Time-Dependent Bearing Capacity of Driven Piles	1.2 Foundation Engineering	Fanyu Zhu	SPL Consultants Limited
ABS072	Differential Settlement of Deep Foundations	1.2 Foundation Engineering	Farzaneh Naghibi	Dalhousie University
ABS155	In-situ Axial Load Tests of Drilled Displacement Steel Piles	1.2 Foundation Engineering	Fazli Shah	University of Alberta

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ABS081	Use of Helical Tieback Anchors for Permanent Shoring and Slope Stabilization for a Beachfront Residence in Delta, BC (Canada)	1.2 Foundation Engineering	Fedrico Stucchi	Stantec
ABS029	New Insights into the Contribution of Inertial Loads in Pseudo-static Approach for Seismic Analysis of Pile Groups in Soil Slopes	1.2 Foundation Engineering	Hessam Aldin Hajimollaali	University of Science and Culture
ABS086	Sunny-shady slope effect on permafrost roadbed along the Qinghai-Tibet Highway and its influences on roadbed integral stability	1.2 Foundation Engineering	hui peng	China Communications Construction Company First Highway Consultants Co. , LTD
ABS598	Design and construction of a three-storey concrete building on liquefiable soils in Victoria, BC.	1.2 Foundation Engineering	J. Suzanne Powell	Thurber Engineering Ltd.
ABS055	Case Study: A simplified evaluation of load transfer from a monopole foundation	1.2 Foundation Engineering	Jamie Schweighofer	Stantec Consulting Ltd.
ABS098	Void Effects on the Bearing Capacity of Shallow Foundations Using Limit Analysis Method	1.2 Foundation Engineering	Javad Mofidi	University of Tehran
ABS727	Centrifuge model tests of strip footings supported on two-layered clays	1.2 Foundation Engineering	Jonathan Black	University of Sheffield
ABS736	Visualization of heat transfer to characterize soil-structure interaction of energy foundations	1.2 Foundation Engineering	Jonathan Black	University of Sheffield
ABS025	3D-modeling of laterally loaded battered piles in sand	1.2 Foundation Engineering	Lassaad Hazzar	Département de Génie Civil Université de Sherbrooke
ABS187	Cooling Characteristics of Crushed-rock Embankments with different structures in a warm permafrost region	1.2 Foundation Engineering	Liu Minghao	Chinese Academy of Sciences
ABS051	Pile Bearing Capacity Prediction Considering Air Temperature Warming in Cold Regions	1.2 Foundation Engineering	Liyun TANG	Xi'an University of Science and Technology
ABS411	Numerical Investigation of the Bearing Capacity of Ring Foundations on Clay	1.2 Foundation Engineering	Maha Al Massri	Western University
ABS427	Response of single and grouped pile subjected to lateral load in cohesionless soil	1.2 Foundation Engineering	Mahdy Khari	Department of Civil Engineering, College of Engineering, East Tehran Branch, Islamic Azad University, Tehran, Iran.
ABS023	Evaluation of seismic kinematic and inertial forces in piles	1.2 Foundation Engineering	Mahmoud Hussien	Université de Sherbrooke, Sherbrooke
ABS205	Seismic studies of frozen ground in Russian Arctic regions	1.2 Foundation Engineering	Marat Sadurtdinov	Earth Cryosphere Institute Siberian Branch Russian Academy of Science
ABS075	Innovative Deep Foundation Support using Ductile Iron Piles	1.2 Foundation Engineering	Mark Tigchelaar	GeoSolv Design/Build Inc.
ABS279	Discussion on Horizontal Stress Ratio (Ko) for Toronto Glacial Soils	1.2 Foundation Engineering	Masoud Manzari	Thurber Engineering
ABS772	CPT based Methodology to Predict Axial Capacity of Post Grouted Drilled Shafts	1.2 Foundation Engineering	Miguel Pando	University of North Carolina at Charlotte
ABS037	Lateral Loading of Large-Capacity Helical Piles installed in Typical Alberta Soil	1.2 Foundation Engineering	Mohamed Elkasabgy	Ph.D. , P.Eng.,
ABS660	Numerical Investigation to Evaluate the Performance of Bored Piles with Multiple Defects	1.2 Foundation Engineering	Mohamed Meguid	McGill University
ABS664	On the use of Micro-piles to Improve the Capacity of Existing Foundation	1.2 Foundation Engineering	Mohamed Meguid	McGill University
ABS706	Numerical Modeling of Skirted Foundation under Seismic Loads	1.2 Foundation Engineering	Mohamed Sakr	Professor & Director Geotechnical Engineering Laboratory, Faculty of Engineering, Tanta University
ABS793	Evolution of Pile Shaft Capacity over Time in Soft Clays (Case Study: Leda Clay)	1.2 Foundation Engineering	Mohammad Amin Hosseini	Department of Civil and Environmental Engineering, Carleton University

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ABS227	Numerical modelling technique to predict the load versus settlement behavior of single piles in unsaturated coarse-grained soils	1.2 Foundation Engineering	Mohammed Al-Khazaali	University of Ottawa
ABS093	Lateral resistance of helical and driven piles	1.2 Foundation Engineering	Mohammed Sakr	Iron Brothers Ltd
ABS212	Evaluation of pile performance in different layers of soil	1.2 Foundation Engineering	Orod Zarrinkafsh	Eastern Mediterranean University
ABS633	Characterization of Model Uncertainty for Pullout Resistance of Soil Nails	1.2 Foundation Engineering	Peiyuan Lin	Ryerson University
ABS249	High strain dynamic pile testing in a challenging soil condition – A case study in Southern Alberta, Canada	1.2 Foundation Engineering	Pirahas Balasingam	Morton Jagodich Inc
ABS487	Effects of varying modulus of subgrade reaction on structural design of mat foundation	1.2 Foundation Engineering	Prapote Boonsinsuk	Amec Foster Wheeler Environment & Infrastructure
ABS039	Behavior of compression pile in sandy soil underlain by clay	1.2 Foundation Engineering	RAMI BAKR	Delta University
ABS604	COMPARISON OF PILE CAPACITY ESTIMATED BY SIGNAL MATCHING (CAPWAP®), iCAP®, AND CASE METHOD OF DRIVEN STEEL PILES PERFORMED AT AN INDUSTRIAL SITE NEAR EDMONTON, ALBERTA	1.2 Foundation Engineering	Renato Clementino	Thurber Engineering Ltd.
ABS476	CASE HISTORY OF STATIC AND HIGH STRAIN DYNAMIC TESTING OF DRIVEN STEEL PIPE PILES PERFORMED AT AN INDUSTRIAL SITE NEAR EDMONTON, ALBERTA	1.2 Foundation Engineering	Robin Tweedie	Thurber Engineering Ltd.
ABS788	Geofoam Numerical Model for Reduced Earth Pressure on Walls	1.2 Foundation Engineering	Sherif S Salam	Assistant Professor at British University in Egypt
ABS621	Applicability of Mixed Hybrid FEM to Numerical Evaluation of Phase Change with Latent Heat in Freezing Foundation	1.2 Foundation Engineering	Shunji Kanie	Hokkaido University
ABS739	DESIGN OF PILE GROUPS USING PILE LOAD TEST REACTION PILE DATA	1.2 Foundation Engineering	Steven Coulter	Thurber Engineering Ltd.
ABS789	GeoSuite - A computerized modular system for geotechnical design	1.2 Foundation Engineering	Suzanne Lacasse	NGI
ABS803	Sustainable approaches to offshore wind turbine foundation design	1.2 Foundation Engineering	Timothy A. Newson	University of Western Ontario
ABS216	Performance of nested fully grouted piezometers subjected to transient flow conditions	1.2 Foundation Engineering	Vahid Marefat	PhD student
ABS510	In-situ loading tests of small-diameter helical piles	1.2 Foundation Engineering	Weidong Li	University of Alberta
ABS750	Full-scale Pile Load Tests on Instrumented Concrete Piles in Clay Till, in Edmonton, Alberta	1.2 Foundation Engineering	Xiaobo Wang	Thurber Engineering Ltd.
ABS481	Optimizing design of rock sockets using bidirectional testing of preliminary test piles - A Case History	1.2 Foundation Engineering	Zahid Khan	American University of Sharjah
ABS157	Modeling the Behavior of a Shallow Foundation in Compacted Clay	1.2 Foundation Engineering	Zhong Han	University of Ottawa
ABS286	The Effect of Flow Reverse on Permeability Measurement in Rocks	1.3 Groundwater Hydraulics	Adrian Glowacki	McGill University
ABS643	Analysis of flow through jointed rock using a multi-scale hybrid finite element approach	1.3 Groundwater Hydraulics	Brandon Karchewski	McMaster University
ABS725	Interpreting pumping test in stratified confined aquifers using the equivalent model	1.3 Groundwater Hydraulics	Djaouida chenaf	Royal Military college, Department of Civil Engineering
ABS730	INTERPRETATION D'UN ESSAI D'AQUIFERE DANS UN DYKE FRACTURÉ D'ANORTHOSITE SITUÉ DANS LA RÉGION DES LAURENTIDES, LAURENTIDES, QUÉBEC, CANADA	1.3 Groundwater Hydraulics	Djaouida Chenaf	Royal Military college, Department of Civil Engineering

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ABS282	Groundwater in cold regions: A Bibliometric analysis based on Web of science	1.3 Groundwater Hydraulics	Min Liu	Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences
ABS303	Validity of assessments of large-scale thermo-hydraulic coupled groundwater flow simulations	1.3 Groundwater Hydraulics	Patrik Vidstrand	SKB
ABS695	Identifying Risk using Hydrogeophysics	1.3 Groundwater Hydraulics	Robert Perrin	DMT Geosciences Ltd
ABS080	Laboratory and numerical study of propagation of pore pressure changes within clay	1.3 Groundwater Hydraulics	Vahid Marefat	PhD student
ABS800	Exploration de nouvelles mesures d'atténuation de formation de glace en paroi – Exemple d'une tranchée couverte québécoise	1.3 Hydraulique des eaux souterraines	Baptiste Rousseau	Labo S.M. inc.
ABS529	Pumping Test in a Confined Aquifer: How to Detect a Poorly Sealed Monitoring Well and Correct its Drawdown Data	1.3 Hydraulique des eaux souterraines	Robert Chapuis	CGS
ABS454	2D and 3D FEA comparison to solve a 3D problem: impacts on a nearby shallow foundation from a pile and sheet pile earth retaining structure	1.4 Modélisation physique et numérique	Alain Plaisant	Inspec-Sol
ABS582	Dynamic Loads on Cohesive and Non-Cohesive Soils in a Natural Dam: from Site-Specific Study to Modeling	1.4 Modélisation physique et numérique	Denise Leahy	Professional Engineer
ABS508	A NUMERICAL STUDY OF THE INFLUENCE OF GROUNDWATER FLOW ON HEAT LOSS FROM RESIDENTIAL FOUNDATIONS	1.4 Modélisation physique et numérique	Dominique Beaulieu	Université Laval
ABS649	A NUMERICAL STUDY OF HEAT LOSS FROM RESIDENTIAL FOUNDATIONS TROUGHT SOILS: INFLUENCE OF VAPOUR DIFFUSION AND SURFACE EVAPORATION	1.4 Modélisation physique et numérique	Dominique Beaulieu	Université Laval
ABS562	Présentation d'un Modèle Conceptuel d'une base de données géotechniques des sols Algériens	1.4 Modélisation physique et numérique	fatiha DEBICHE	Université Sciences et Technologie Houari Boumedienne
ABS569	Modelling of elution tests with the iCP interface between COMSOL and PHREEQC	1.4 Modélisation physique et numérique	François Duhaime	École de technologie supérieure
ABS490	How to bring in-situ terrestrial permafrost data into Earth System Modelling	1.4 Modélisation physique et numérique	Jean-Pierre Lanckman	Arctic Portal
ABS207	Comparaison du taux de cisaillement cyclique déterminé par approche numérique 1D et 2D pour un barrage en terre.	1.4 Modélisation physique et numérique	Louis Philippe Caron	Hydro-Québec
ABS689	Approche virtuelle pour la génération de milieux granulaire et l'évaluation de la conductivité hydraulique.	1.4 Modélisation physique et numérique	Mohamed chekired	Hydro-Québec
ABS628	Analyse numérique de l'essai de pénétration statique CPT en vue de dimensionner les fondations superficielles	1.4 Modélisation physique et numérique	Tawfiq BOUFRINA	Univeité de Blida 1, Département de génie civil-Algérie
ABS488	APPLICATION OF ANALYTICAL SERIES IN SEEPAGE RATE AND COMPARISON WITH FINITE ELEMENTS	1.4 Physical and Numerical Modelling	Abolfazl Nazari Giglou	Azad University
ABS733	Numerical simulation of triaxial testing of rockfill	1.4 Physical and Numerical Modelling	Alain Plaisant	Inspec-Sol
ABS748	A comparative study on the role of constitutive modeling in nonlinear dynamic analysis of tailings dams	1.4 Physical and Numerical Modelling	Andres Barrero	University of British Columbia

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ABS060	Comparison of mining-induced seismicity within a footwall fault between overhand and underhand stoping methods	1.4 Physical and Numerical Modelling	Atsushi Sainoki	Mining and Materials Engineering, McGill University
ABS386	ÉTUDE NUMÉRIQUE DE LA POUSSÉE DYNAMIQUE DES TERRES SUR LES MURS DE SOUTÈNEMENT RIGIDES	1.4 Physical and Numerical Modelling	Djamel BENMEDDOUR	Civil Engineering Laboratory, Biskra University
ABS478	The effect of snow: How to better model ground surface temperatures	1.4 Physical and Numerical Modelling	Elchin Jafarov	University of Colorado at Boulder
ABS638	A numerical study on the stress distribution in backfilled stopes considering non-planar interfaces between backfill and rock walls	1.4 Physical and Numerical Modelling	Guangsheng Liu	Beijing General Research Institute of Mining & Metallurgy
ABS640	Current research activities in KAIST Geo-Centrifuge Center focusing on Soil-Foundation-Structure Interaction under seismic loading	1.4 Physical and Numerical Modelling	Heon-Joon Park	KAIST
ABS335	The Influence of Segmental Lining in Deep TBM Tunnelling.	1.4 Physical and Numerical Modelling	Ioannis Vazaios	Queen's University
ABS220	The use of a 2D dynamic FLAC model and 3D static FLAC model to evaluate the performance of ground improvements under seismic loads	1.4 Physical and Numerical Modelling	Jeffrey Barrett	Stantec Consulting
ABS366	Is submarine groundwater discharge a control on Arctic permafrost-associated gas hydrate formation on the Beaufort Shelf?	1.4 Physical and Numerical Modelling	Jennifer Frederick	Desert Research Institute
ABS442	Finite element simulation of propagation of ultrasonic wave along a soil nail	1.4 Physical and Numerical Modelling	Jinyuan Liu	Ryerson University
ABS697	Soil plug formation in open ended tubular piles	1.4 Physical and Numerical Modelling	Jonathan Black	University of Sheffield
ABS595	Undrained Stability Analysis of Three Dimensional Trapdoors	1.4 Physical and Numerical Modelling	Jun Xie	Engineer
ABS761	STUDY OF CORNER AND ABRUPT WALL ALIGNMENT CHANGES IN MECHANICALLY STABILIZED ENBANKMENT (MSE) WALLS SUPPORTING BRIDGE ABUTMENT LOADS	1.4 Physical and Numerical Modelling	Kim Truong	Reinforced Earth Company
ABS094	Numerical simulation of gas hydrate stability zone using log data of a scientific drilling borehole in the permafrost region, China	1.4 Physical and Numerical Modelling	Kun Xiao	School of Geophysics and Information Technology, China University of Geosciences(Beijing), Beijing 10083, PR China
ABS594	Virgin and remolded monotonic response of short aspect ratio monopiles for offshore wind turbine foundations	1.4 Physical and Numerical Modelling	Madhuri Murali	Texas A&M University
ABS351	DESCRIPTION OF INHERENT AND INDUCED ANISOTROPY IN GRANULAR MEDIA	1.4 Physical and Numerical Modelling	Marjan Oboudi	McMaster University
ABS368	Investigation on the Behavior of Rockfall Flexible Barriers by Numerical Simulation	1.4 Physical and Numerical Modelling	Massoud Palassi	University of Tehran
ABS062	Construction of drilling pads on top of peat in oil sand development projects in Northern Alberta	1.4 Physical and Numerical Modelling	Mehdi Qoreishi	AECOM
ABS164	Evaluation of primary and secondary consolidation settlements of Waba Dam	1.4 Physical and Numerical Modelling	Mona El Mosallamy	Department of Civil Engineering, Ryerson University, Toronto, Canada
ABS575	Estimation of Soil Strength Parameters Using Artificial Neural Networks Modelling	1.4 Physical and Numerical Modelling	Mostafa Abolfazlzadehdoshanbehbazari	Clifton Associates Ltd.
ABS389	Benchmarking and Speed Improvements in a 2D/3D Geotechnical Stress/Deformation Solver	1.4 Physical and Numerical Modelling	Murray Fredlund	SoilVision Systems Ltd.
ABS435	An Improved Methodology for Meshing 3-D Earth Dam Structures	1.4 Physical and Numerical Modelling	Murray Fredlund	SoilVision Systems Ltd.

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ABS304	Numerical Investigation of the Influence of Defects on Rock Strength	1.4 Physical and Numerical Modelling	Navid Bahrani	Bharti School of Engineering, Laurentian University, Sudbury, ON, Canada
ABS533	Stability of exposed cemented backfill in underground mine stopes	1.4 Physical and Numerical Modelling	Nooshin Falaknaz	Department of civil, geological and mining engineering, Ecole polytechnique Montreal
ABS031	THE USE OF TACTILE PRESSURE SENSORS TO MEASURE SOIL PRESSURES AROUND SQUARE BOX CULVERTS	1.4 Physical and Numerical Modelling	Osama Abuhajar	Research Associate at Western University
ABS722	Quantify heat advection in the active layer: Laboratory simulations	1.4 Physical and Numerical Modelling	Sabine Veuille	Université de Montréal
ABS764	Application of a 3D Groundwater Model to Assess Performance of the Muskrat Falls Dam North Abutment	1.4 Physical and Numerical Modelling	Sean Hinchberger	Professional Engineer
ABS347	Quantitative assessment of "ore at risk" with different stope sequence strategies	1.4 Physical and Numerical Modelling	Shahe Shnorhokian	McGill University
ABS348	Influence of rockmass property variations on pre-mining stresses: a case study	1.4 Physical and Numerical Modelling	Shahe Shnorhokian	McGill University
ABS180	GPR numerical simulation coupled with temperature by TD-FEM applied to artificial freezing engineering	1.4 Physical and Numerical Modelling	Song Lei	State Key Laboratory for Geomechanics& Deep Underground Engineering,School of Architecture & Civil Engineering, China University of Mining and Technology
ABS077	Subsurface modeling and BIM	1.4 Physical and Numerical Modelling	Strahimir Antoljak	Bentley Systems, Inc.
ABS307	Numerical Modeling of Ground Vibrations from a Wind Turbine	1.4 Physical and Numerical Modelling	Venkatesh Deshpande	Geotechnical Research Centre, Department of Civil Engineering,University of Western Ontario
ABS312	The Neumann Problem with Sinusoidal Surface Temperature	1.4 Physical and Numerical Modelling	Virgil Lunardini	USA CRREL
ABS658	A method for determination of water content in real and model porous media in equilibrium with bulk ice or gas hydrate	1.4 Physical and Numerical Modelling	Vladimir Istomin	Gazprom-VNIIGAZ, Skoltech
ABS511	Numerical Modeling of Single-Helix Piles using OpenSees	1.4 Physical and Numerical Modelling	Weidong Li	University of Alberta
ABS645	Influence of choice of small- and large-strain mode in FLAC on soil-geosynthetic interaction problems	1.4 Physical and Numerical Modelling	Yan Yu	GeoEngineering Centre at Queen's-RMC, Department of Civil Engineering, Royal Military College of Canada
ABS384	Numerical modeling of a deep excavation behavior in overconsolidated clay: The impact of soil model	1.4 Physical and Numerical Modelling	Yousef Hejazi	Hydro-Québec
ABS134	Numerical Simulation Study on Temperature Field of the Shallow Lake	1.4 Physical and Numerical Modelling	Zheng Jing	Huazhong University of Science and Technology, Wuhan,Hubei, China
ABS673	Geological mapping and geotechnical characterization of a subglacial traction till from excavations near Fort McMurray, Alberta	1.5 Engineering Geology	Andrew Bayliss	Klohn Crippen Berger
ABS718	Geological mapping of a subglacial traction till from a shear key excavation near Fort McMurray, Alberta	1.5 Engineering Geology	Andrew Bayliss	Klohn Crippen Berger
ABS661	A new constitutive model for simulating time-dependent behavior in deep underground environment	1.5 Engineering Geology	Chrysothemis Paraskevopoulou	Canada
ABS694	Minimizing Risk in Karst Environments using Geophysics	1.5 Engineering Geology	Jane Dawson	DMT Geosciences Ltd
ABS763	Overview of Anticipated Subsurface Conditions and Geohazards for a Proposed All-Season Road, Prairie Creek Mine, Northwest Territories	1.5 Engineering Geology	Rita Kors-Olthof	Tetra Tech EBA Inc.
ABS592	Powerhouse and Spillway Rock Excavation at Muskrat Falls	1.5 Géologie de l'ingénieur	Abdellah El Bensi	Professional Geoscientist

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ABS652	Influence of EPS producing microbes isolated from two naturally cemented sites in reducing erosion susceptibility of sand	1.6 Marine Geotechnic	Saswati Ghatak	Department of Civil Engineering, IIT Kharagpur
ABS655	The influence of hydrate veins on the geomechanical behaviour of fine-grained soil	1.6 Marine Geotechnic	William Smith	University of Calgary
ABS631	Mass Movement of a stone-banked Solifluction lobe and Syngenetic Dynamic of Permafrost in the High Arctic, Ward Hunt Island, Canadian High Arctic.	1.7 Géocryologie	Manuel Verpaelst	University of Montreal
ABS438	Measurements of permafrost thermal conductivity through CT-Scan image analysis: A new techonology for permafrost characterization	1.7 Géocryologie	Marc-André Ducharme	Université Laval - Centre d'études nordiques
ABS641	Cryofacies of glacier-derived permafrost ground-ice, Bylot Island, Nunavut	1.7 Géocryologie	Stéphanie Coulombe	Département de géographie, Université de Montréal
ABS724	A TTOP-model of permafrost distribution for three areas in Yukon and northern British Columbia	1.7 Geocryology	Alexandre Bevington	Ministry of Forests, Lands and Natural Resource Operations
ABS226	Hydrocarbon seepage and formation of authigenic minerals in the permafrost of West Siberia	1.7 Geocryology	Anna Kurchatova	Tyumen State Oil and Gas University
ABS408	Investigation of discontinuous permafrost at multiple scales, in western and eastern Canada	1.7 Geocryology	Antoni Lewkowicz	University of Ottawa
ABS219	Permafrost degradation adjacent to snow fences along the Dempster Highway, Peel Plateau, NWT.	1.7 Geocryology	Brendan O'Neill	Carleton University
ABS380	Field measurements of permafrost conditions beside the Dempster Highway embankment, Peel Plateau, NWT	1.7 Geocryology	Brendan O'Neill	Carleton University
ABS352	Near-surface ground ice conditions in University Valley, McMurdo Dry Valleys of Antarctica	1.7 Geocryology	Caitlin Lapalme	Department of Geography, University of Ottawa
ABS239	The geocryological bibliography of J. Ross Mackay (1915-2014)	1.7 Geocryology	Chris Burn	Carleton University
ABS252	Subdivision of ice wedge polygons, western Arctic coast	1.7 Geocryology	Chris Burn	Carleton University
ABS422	Isotope geochemistry of permafrost: tracers of paleo-thaw unconformities and potential biogeochemical changes to ecosystems under future warmer Arctic. Examples from glaciated terrain in northwestern Canada.	1.7 Geocryology	Denis Lacelle	University of Ottawa
ABS690	Role of cryogenese in formation of composition of Late Pleistocene-Holocene deposits in Kolyma lowland, North East Yakutia	1.7 Geocryology	Denis Shmelev	Lomonosov Moscow State University
ABS525	GTN-P Developing in Southern Part of Eastern Siberia	1.7 Geocryology	Dmitrii Sergeev	Institute of Environmental Geoscience RAS
ABS291	Seasonal Thawing depth of Active Layer in the Source Area of the Yellow River	1.7 Geocryology	Dongliang Luo	Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences
ABS776	Thermokarst processes formation along linear objects (an example of long distance oil pipeline in Siberia)	1.7 Geocryology	Elizaveta Makarycheva	Sergeev Institute of Environmental Geoscience Russian Academy of Sciences (IEG RAS)
ABS528	Experimental evaluation of changes in permeability of frozen sediment at thawing.	1.7 Geocryology	Evgeny Chuvilin	1-Department of Geology, Moscow State University, 2-Skolkovo institute of science and technology (Skoltech)
ABS425	UAV-based high resolution mapping of geomorphological processes and vegetation communities in the South Shetlands (Antarctic Peninsula).	1.7 Geocryology	Goncalo Vieira	CEG/IGOT - Universidade de Lisboa

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ABS666	Coring of unconsolidated permafrost deposits in Svalbard and NE Greenland: methodological successes and challenges	1.7 Geocryology	Graham Lewis Gilbert	The University Centre in Svalbard (UNIS)
ABS316	EXPERIMENTAL STUDY OF FEEZING POINT AND WATER PHASE COMPOSITION OF SALINE SOILS CONTAMINATED WITH HYDROCARBONS	1.7 Geocryology	Grechishcheva Erika	OJSC Fundamentproekt
ABS099	JRM: His early accomplishments, 1950 to the mid 1980s	1.7 Geocryology	Hugh French	University of Ottawa
ABS405	Relative importance of geological versus ecological conditions on permafrost ice content of fine-grained sediments in the boreal forest near Yellowknife, NWT	1.7 Geocryology	Jason Paul	Wilfrid Laurier University
ABS242	Improving the spatial support of permafrost measurements	1.7 Geocryology	Julia Riddick	Carleton University
ABS747	Winter soil temperatures north and south of treeline, central Northwest Territories, Canada	1.7 Geocryology	Kumari Karunaratne	Northwest Territories Geoscience Office
ABS272	Monitoring and modeling the thermal state of permafrost on the Tibetan Plateau	1.7 Geocryology	Lin Zhao	Cold and Arid Regions Environmental and Engineering Research Institute, CAS
ABS372	Improving water content description in saturated permafrost soils	1.7 Geocryology	Marcus Phillips	Carleton University
ABS311	Hyper-saline spring dynamics and salt deposits on Axel Heiberg Island, Nunavut	1.7 Geocryology	Melissa Ward	Department of Geography, McGill University
ABS302	Morphometric characteristics of rock glaciers of River Basin Argut (Altai Republic, Russia).	1.7 Geocryology	Melnichuk Lyubov	Vladimirovna
ABS258	Reconstructing geomorphology: an appreciation of the contributions of J. Ross Mackay (1915-2014)	1.7 Geocryology	Michael Church	The University of British Columbia
ABS622	The role of soils and vegetation covers properties in forming active layer thickness on two CALM sites	1.7 Geocryology	Mikhail Bolotyuk	Geocryology department Lomonosov Moscow State University, Russia
ABS588	Estimation methods for determining onset temperatures of freezing, amount of unfrozen water and thermal characteristics of cryopegs and saline rocks for Yamal Peninsula	1.7 Geocryology	Nadezda Kiyashko	Moscow State University
ABS453	Ground ice determinations along the Yukon coast using a morphological model	1.7 Geocryology	Nicole Couture	Natural Resources Canada, Geological Survey of Canada Northern Division
ABS293	Age of ground ice in permafrost sequences of West Yamal	1.7 Geocryology	Olga Opokina	Earth Cryosphere Institute SB RAS
ABS160	Trends in permafrost patch size across the sporadic and isolated permafrost zones, Yukon Territory and Northern BC.	1.7 Geocryology	Olivier Bellehumeur-Genier	University of Ottawa
ABS113	Permafrost occurrence in subarctic forests of the Great Slave region, Northwest Territories, Canada	1.7 Geocryology	Peter Morse	Geological Survey of Canada, Natural Resources Canada
ABS067	THE GROUND THERMAL REGIME ACROSS THE MACKENZIE VALLEY CORRIDOR, NORTHWEST TERRITORIES CANADA	1.7 Geocryology	Philip Bonnaventure	Natural Resources Canada
ABS169	Permafrost in mountainous areas of Canada	1.7 Geocryology	Stephan Gruber	Carleton University
ABS069	Cryogenic block streams: Characteristics and classification.	1.7 Geocryology	Stuart Harris	Department of Geography, University of Calgary
ABS336	Geophysical Monitoring of Engineering Constructions in Western Yakutia and Study of Coupled Problem of Temperature and Seepage Fields in Permafrost near Hydro Unit	1.7 Geocryology	SVET MILANOVSKIY	Institute Physics of the Earth RAS,

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ABS310	Comparison of climate and permafrost relations during recent years in Central Asia	1.7 Geocryology	TONGHUA WU	Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences
ABS314	Investigation of changes the thermokarst lakes and risk assessment for different engineering structures using methods of mathematical morphology of landscape and remote sensing data	1.7 Geocryology	Veronika Kapralova	Sergeev Institute of Environmental Geoscience Russian Academy of Sciences (IEG RAS)
ABS184	Subterranean stream piracies in the permafrost area: no advantage to subsequent surface captures	1.7 Geocryology	Vladimir Mikhailov	North-Eastern Research Station, Permafrost Institute, Siberian Branch of Russian Academy of Sciences
ABS377	Evidence in favor of that over the Pleistocene cryodiversity in Northwestern Siberia developed as interaction of permafrost and mountain glaciers but not of ice sheets	1.7 Geocryology	Vladimir Sheinkman	Tyumen State Gas and Oil University
ABS431	The monitoring of soil pore water pressure and soil temperature in cutting slope before and after saliva flow ice	1.7 Geocryology	Wei Shan	Cold Regions Science and Engineering
ABS432	The monitoring of soil moisture varied with air temperature in freezing and thawing process of cutting slope.	1.7 Geocryology	Ying Guo	Cold Regions Science and Engineering
ABS403	Hydrothermal regime analysis of shallow layer of a soil slope under short-term freeze-thaw cycles	1.7 Geocryology	Yun Que	College of Civil Engineering, Fuzhou University
ABS433	Isotopic evolutions of ground ice in permafrost region on Qinghai-Tibet Plateau and its climatic-hydrological significance	1.7 Geocryology	Yuzhong Yang	State Key Laboratory of Frozen Soil Engineering, Cold and Arid regions Environmental and Engineering Research Institute, Chinese Academy of Sciences
ABS259	Composition and origin of an ice-rich mound (lithalsa) in the Great Slave Lowland, Northwest Territories, Canada	1.8 Periglacial Processes	Adrian Gaanderse	Carleton University
ABS737	Field study of degrading permafrost terrain containing important massive ice features, Dry Creek, southwest Yukon, Canada.	1.8 Periglacial Processes	Benoit Loranger	Université Laval
ABS794	The diverse important roles of permafrost and periglacial processes in shaping the highest mountains on earth	1.8 Periglacial Processes	Bernard Hallet	University of Washington
ABS308	Spatial variability of the Holocene Thermal Maximum in northern Yakutia, NE Russia, inferred from lake sediments	1.8 Periglacial Processes	Boris Biskaborn	Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
ABS440	Detection and inventorying of slope movements in the Brooks Range, Alaska using DInSAR: a test study	1.8 Periglacial Processes	Brianna Rick	University of Fribourg
ABS473	Cryogenic processes and features in permafrost-affected soils.	1.8 Periglacial Processes	Charles Tarnocai	Agriculture and Agri-food Canada
ABS319	Cyclic Freeze-Thaw Effects on Atterberg Limits of Clay Soils	1.8 Periglacial Processes	Daryl Dagesse	Brock University - Geography Department
ABS327	THE AGE AND EVOLUTION OF CRYOGENIC MICROFORMS IN SUBARCTIC MOUNTAINS	1.8 Periglacial Processes	Ekaterina Garankina	Lomonosov Moscow State University
ABS683	Multi-proxy reconstitution of the rapid drainage events of a thermokarst lake at Marre-Sale, Yamal Peninsula, Siberia (RU).	1.8 Periglacial Processes	Etienne Godin	(1) Université de Montréal, Montréal, QC (2) CEN, Université Laval, QC
ABS294	Rock glaciers in Chuya River Basin (Altai mountains)	1.8 Periglacial Processes	Galina Dyakova	Altai State University
ABS648	Rockglaciers on the Run – An advanced approach to assess rockglacier evolution	1.8 Periglacial Processes	Johann Müller	University of Zürich

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ABS465	High Arctic Hillslope-Wetland Linkages: Types, Patterns and Importance	1.8 Periglacial Processes	Kathy Young	York University
ABS186	TAFONI WEATHERING AT TERRA NOVA BAY, ANTARCTICA: LESSONS FROM SARDINIA (ITALY)	1.8 Periglacial Processes	Mauro Guglielmin	Insubria University
ABS499	Quantifying the significance of the hydrological contribution of a rock glacier – A review.	1.8 Periglacial Processes	Maxime A. Duguay	BGC Engineering Inc
ABS301	Sumer and winter flows of the Mackenzie River system	1.8 Periglacial Processes	Ming-ko Woo	McMaster University
ABS234	Meteorological and geological influences on icing dynamics in subarctic Northwest Territories, Canada	1.8 Periglacial Processes	Peter Morse	Geological Survey of Canada, Natural Resources Canada
ABS382	Altitudinal zonation of mountain frozen grounds in southern Patagonia	1.8 Periglacial Processes	Sebastian Ruiz	Dirección de Programas Antárticos, Universidad de Magallanes
ABS236	Lithalsas (permafrost mounds) of the Great Slave Lowland, NWT	1.8 Periglacial Processes	Stephen Wolfe	Geological Survey of Canada, Natural Resources Canada
ABS101	Analysis of hydrological effects of Alpine permafrost in the Headwaters of Urumqi River	1.8 Periglacial Processes	tianding Han	Cold and Arid Regions Environmental and Engineering Research Institute Chinese Academy of Sciences
ABS200	REE fractionation in the Pleistocene permafrost sequences of Central and East Yakutia	1.8 Periglacial Processes	Varvara Ivanova	The leader sciencist
ABS470	The first findings of the Late Pleistocene paleosols in Northwestern Siberia, in the basin of the Middle Ob' River	1.8 Periglacial Processes	Vladimir Sheinkman	Tyumen State Gas and Oil University
ABS765	Geomorphology and dynamics of thermo-erosion gullies: incidence of sedimentary environment on gully shape and permafrost erosion rates	1.8 Processus périglaciaires	Audrey Veillette	Département de Géographie, Université de Montréal
ABS248	The thermo-mechanical behavior of frost-cracks over ice wedges: new data from extensiometer measurements.	1.8 Processus périglaciaires	Denis Sarrazin	CEN
ABS651	Amélioration de la stabilité d'un enrobe bitumineux modifié par un déchet industriel	1.8 Processus périglaciaires	El djouher BENNOUR	Université des Sciences et de la Technologie Houari Boumedienne
ABS287	Rock Glaciers in the Russian Altai Mountain and their Present State	1.8 Processus périglaciaires	Ostanin Oleg	Altai State University, Faculty of Geography
ABS284	Geometry of oriented lakes in Old Crow Flats, northern Yukon	1.8 Processus périglaciaires	Pascale Roy-Leveillee	School of Northern Development, Laurentian University