



FINAL PROGRAM

Méhari Hotel, Yasmine Hammamet

Day 1: Thursday 25 April 2024	
7:30-8:30	Registration
8:30-9:00	WELCOME ADDRESSES & OPENING CEREMONY
9:00-9:45	Keynote Lecture 1: Geo-engineering aspects of the devastating earthquakes Prof. Reşat Ulusay, Professor, Hacettepe University Immediate ISRM Past President
9:45-10:30	Keynote Lecture 2: Design, Installation and Quality Control of Variable Diameter Stone Columns M. Khaled Jammoul, Area Director North Africa and Middle East Soilmechanics Group
10:30-10:50	Coffee Break & Networking
10:50-11:00	Group Photo
11:00-12:00	SESSION 1: SOIL BEHAVIOR Chairman: Pr Oualid Limam
11:00-11:15	Expansive soils in North Africa: A review and characterization method using Cc/Cs ratio <i>S.A. Manigniany & M. Bouassida, S. Tabchouche, N. Kazi Tani, Y. Bouassida</i>
11:15-11:30	Improvement of swelling soils using human hair fibers <i>R. Benzaid, I. Idoui, I. Berdi, S. Rehab-Bekkouche</i>
11:30-11:45	Contribution numérique pour le choix de géogrilles en fonction de la rigidité du sol support d'une chaussée souple <i>N. Bouacha, A. Bouguerra, A. Bouafia</i>
11:45-12:00	Shrinkage characterization of a raw earth-based geomaterial using image processing. <i>S. Bouchemella, A. Houarbia, I. Medjdoub</i>
12:00-13:30	Lunch Break
13:30- 14:45	SESSION 2 : SLOPE STABILITY Chairman: Pr Mohamed Salah Laouar
13:30-13:45	Numerical limit analysis of slope stability considering non-associated plasticity <i>H. Jeddi, O. Limam, A. Oueslati, H. Smaoui</i>
13:45-14:00	Validation of the log-spiral curve for slope stability of frictional soils <i>M. Bouassida, H. Karoui, S. Djelabi</i>
14:00-14:15	Numerical Analysis of Nailed Slope by GFRP Bars Using Finite Element Method <i>S. Sghaier, S. Ellouze, A. Daoud, M. Bouassida</i>
14:15-14:30	Numerical analysis of rainfall-induced slope instability in a drained reduced-scale slope model <i>F. Hamrouni, H. Trabelsi, M. Jamei</i>
14:30-14:45	Investigation on the failure of an embankment on the East-West highway in Algeria <i>S. Benmoussa, A. Mihoubi, M. S. Laouar, M. Bouassida, A. Fernane, S. Messast, S. Gueraïdia, B. Ayeb</i>

14:45-15:30	SESSION 3: APPLIED GEOPHYSICAL ENGINEERING Chairman: Pr Belgacem Jellali
14:45-15:00	Seismic vulnerability assessment of a cable stayed bridge Case of study: Rades-La Goulette bridge <i>A. Bettoumi, S. Louati, A. Trabelsi, N. Bouden Romdhane</i>
15:00-15:15	Assessment of liquefaction risk in sedimentary basin <i>N. Baba , S. Louati, N. Bouden Romdhane</i>
15:15-15:30	Critical Appraisal Of Liquefaction Mitigation Mechanisms Of Stone Columns <i>Z. Ben Salem, W. Frikha, M. Bouassida</i>
15:30-16:00	Coffee Break & Networking
16:00-17:30	Workshop 1 : Argiles gonflantes : caractérisation et mesures préventives Pr. Mounir BOUASSIDA and Sergio Andrew MANIGNIAVY - SIMPRO
19:00	DINNER

Day 2: Friday 26 April 2024	
8:30-9:15	Keynote Lecture 3: Influence of Pre-shearing on Coefficient of Earth Pressure at Rest: Applications in Many Fields of Geotechnical Engineering Practice Marawan M. Shahien, Professor of Geotechnical Engineering & Foundations VP for Africa of ISSMGE
9:15-10:15	SESSION 4: FOUNDATIONS Chairman: Pr Tarek Kormi
9:15-9:30	Computational methods of GeoSpring 1.0 software <i>W. Bouassida, M. Bouassida, S. Khaled</i>
9:30-9:45	Numerical prediction of pile bearing capacity and deformation with varied thickness of cohesive soil <i>J. Kamoun, M. Bouassida</i>
9:45-10:00	Machine learning for open steel pile driving engineering <i>J. El Brahmi, O. Hniad, Z. Moussa, A. Makrane</i>
10:00-10:15	Numerical Investigation of Flexural Behaviour of Laterally Loaded Single Pile in dry dense sand <i>F. Z. Yacoubi, N. Kazi Tani</i>
10:15-10:30	Coffee Break & Networking
10:30-11:30	SESSION 5: REINFORCEMENT OF SOILS AND MATERIALS Chairman: Pr Samir Ben Moussa
10:30-10:45	Installation effect on soft soil consolidation after cylindrical cavity expansion <i>M. Ben Khalifa, Z. Ben Salem, W. Frikha</i>
10:45-11:00	Review of Enzyme-Induced Calcite Precipitation as a Ground-Improvement <i>R. Motamedi, K. Hoorfar</i>
11:00-11:15	Jet Grouting Experience in River Borne Materials (RBM) <i>A. Chandra Joshi, M. Agrawal, B. K. Mohanty</i>
11:15-11:30	Fiber Aging impact on Fiber-Reinforced Concrete (FRC) foundations lifespan <i>R. Knani, S. Helaili, M.A. Khadimallah, M. Chafra</i>

11:30-11:45	Experimental study of the thermo-mechanical behavior of stabilized BTCs with alfa fibers <i>S. Souissi, R. Khelfet, N. Rhayma, H. Trabelsi, P. Poullain, S. Bonnet</i>	
11:45-12:00	Silver Sponsors presentation (5mn each)	
12:00-13:30	Lunch Break	
13:30-14:30	SESSION 6: ROCK MECHANICS AND ROCK ENGINEERING Chairman: Pr Reşat Ulusay	
13:30-13:45	Reinforcement of Rigid Pavements by Geogrids with Insertion of Carbon Fibers Composites CFRP <i>M. Abdessemed, L. Guirous, N. Ouadah</i>	
13:45-14:00	Experimental and Numerical Studies: Production-Induced Changes in The Petrophysics of Unconsolidated Reservoirs <i>K. Ben Abdallah, E. Hamdi</i>	
14:00-14:15	Contribution to the Study of the Hydromechanical Behavior of Sudden Collapse Soils in the Metlili Region, Algeria <i>A. Fernane, M. S. Laouar, A. Belkhir, M. Bouassida, S. Messast, S. Benmoussa, A. Moussa, N. Mebirouk</i>	
14:15-14:30	Estimation of Seepage for Ajdabya Reservoir by Moderation Multiple Regression <i>S. Alsanusi, A Mervat, M. Abmdas</i>	
14:30-14:45	SESSION 7: GEOMATICS AND ENVIRONMENTAL ENGINEERING Chairman: Pr Karim Miled	
14:45-15:00	Geophysical Characterization of the Late Cretaceous Fractured Aquifer in the Mateur-Hédil Region, Northern Tunisia <i>S. Elgattoussi, S. Ben Fredj, F. Melki, H. Gabtni, K. O.L Omosanya, S. Ayari, M. Hamrouni</i>	
15:00-15:15	Neural Network-Based Geospatial Analysis and Mapping of Landslide Susceptibility: A Case Study on the Road Network in the Wilaya of Skikda, Algeria <i>N. Mebirouk, M. Amrane, S. Messast</i>	
15:15-15:30	Study of mechanical and environmental performance of Sfax harbor sediment for a reuse in road layers <i>A. Ben Slama, N. Feki, M. Zairi</i>	
15:30-15:45	Optimization of the use of dredged sediments from the oudjet mellegue dam in road applications <i>N. Ayeb., M. Bouassida, M.S. Laouar, B. Ayeb, A. Fernane, S. Benmoussa, S. Messast</i>	
15:45-16:00	Valorization of quarry waste in the construction of hardfill dams <i>A. Abmadi, B. Jellali, M. L. Kadri</i>	
16:00-16:15	Coffee Break & Networking	
16:15-17:30	Workshops 2 : Sea Water Desalination Station of Sfax Mr. Wadii MEDHIOUB BOUZGANDA	Workshop 3 : Doubling of the Roman Road in Djerba Mrs. Feten TEYEB SOBMTI-SOBATRAP-SOTRAP
20h-23h:	GALA DINNER	

Day 3: Saturday 27 April 2024

9h-13h: Technical Field Visit
Ain Oktor-Korbous-Ain Atrous Road Project (Nabeul)