



EURASIA GEOSCIENCE

CONGRESS AND EXHIBITION

10-13 NOVEMBER 2023, ANTALYA

EGCE 2023 Technical Program Book

ORGANIZED BY



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Welcome

On behalf of the Organizing Committee, it is a pleasure and a great honor for us to welcome you to **Eurasia Geoscience Congress and Exhibition 2023 (EGCE2023)**.

Ankara University organizes this event with support of King Fahd University of Petroleum and Minerals (KFUPM). The congress is also supported by national universities (ÇOMU, Kocaeli, KTÜ, Afyon Kocatepe, Süleyman Demirel...). Leading supporters are the Chamber of Geophysical Engineers of Turkey and the Turkish Oil Company (TPAO). Without their support, we cannot make this congress. I would like to thank all of them.

In this event, we have 57 oral and 2 poster presentations on various topics. The topics about the geological and geophysical investigation of the deep earth, Oil and Gas Exploration to CO2 monitoring, Mining Geophysics to Mining Geology, Geothermal Exploration to Site Investigation will undoubtedly attract geoscientists, engineers, representatives of oil, energy and mining companies, researchers and students from many different countries. We have participants not only from Türkiye, but also from Saudi Arabia, the USA, Iraq, China, Canada, and Iran.

We have a diamond sponsor (Phoenix/Tezcür), Gold Sponsors (FNC and TPIC), and 5 exhibitor companies. We also thank sponsors and exhibitors. We expect that you will all have an exciting and rewarding time attending talks, visiting the exhibition, and enjoying the Venue Hotel. For three days and during the congress, we will be together, and we can discuss new potential collaboration and joint Projects in different applications.

We would like to express our appreciation and congratulations to all those involved in organizing the EGCE2023.

Prof. Dr. M. Emin CANDANSAYAR
Congress Chairman

Prof. Dr. Pantelis SOUPIOS
Technical Program Chairman

Organizing Committee

Prof. Dr. M. Emin Candansayar	Ankara University, Türkiye	Congress Chairman
Prof. Dr. Pantelis Soupios	King Fahd University of Petroleum and Minerals, Saudi Arabia	Technical Program Chairman
Cansu Arıcan	Ankara University, Türkiye	General Secretary
Demet Över	Ankara University, Türkiye	Responsible for Exhibition

Conveners/ Scientific Committee

(according to the topic number in alphabetic order)

Topic No	Name SURNAME	Title	University, Department	Country
1	Bülent KAYPAK	Prof. Dr.	Ankara Univ., Geophysical Eng.Dept.	Türkiye
1	Veysel IŞIK	Prof. Dr.	Ankara Univ., Geological Eng.Dept.	Türkiye
1	Bülent TANK	Prof.Dr.	Boğaziçi Univ.	Türkiye
1	Erhan ERDOĞAN	Dr.	Phoenix Geophysics Limited	Canada
1	Naser MEQBEL	Dr.	3D Consulting Geo.	Germany
1	Özlem HACIOĞLU	Dr.	Karadeniz Technical Univ., Geophysical Eng. Dept	Türkiye
2	Emin U. ULUGERGERLI	Prof.Dr.	Çanakkale Onsekiz Mart Univ., Geophyscial Eng. Dept.	Türkiye
2	Ertan PEKŞEN	Assoc.Prof.	Kocaeli Univ., Geophysical Eng. Dept.	Türkiye
3	Selma KADIOĞLU	Prof.Dr.	Ankara Univ., Geophysical Eng.Dept.	Türkiye
3	N. Yıldırım GÜNDOĞDU	Dr.	Ankara Univ., Geophysical Eng.Dept.	Türkiye
4	Khalid RAMADAN	Prof. Dr.	King Fahd University of Petroleum and Minerals, Dept. of Geoscience	Saudi Arabia

4	John D. HUMPHREY	Assoc. Prof.	King Fahd University of Petroleum and Minerals, Dept. of Geoscience	Saudi Arabia
5	Ammar ELHUSSEINY	Assoc. Prof.	King Fahd University of Petroleum and Minerals, Dept. of Geoscience	Saudi Arabia
5	SanLinn KAKA	Assoc. Prof.	King Fahd University of Petroleum and Minerals, Dept. of Geoscience	Saudi Arabia
6	Kurt STRACK	Dr.and CEO	KMS Tech.Inc.	USA
6	Pantelis SOUPIOS	Prof. Dr.	King Fahd University of Petroleum and Minerals, Dept. of Geoscience	Saudi Arabia
7	M. Emin CANDANSAYAR	Prof. Dr.	Ankara Univ., Geophysical Eng.Dept.	Türkiye
7	Shunguo WANG	Dr.	Norwegian University of Science and Technology	Norway
7	Ahmet YILDIZ	Prof. Dr.	Afyon Kocatepe Univ.	Türkiye
7	Özcan ÖZYILDIRIM	Dr.	Afyon Kocatepe Univ.	Türkiye
8	Husam Musa Mahmoud BAALOUSHA	Assoc. Prof.	King Fahd University of Petroleum and Minerals, Dept. of Geoscience	Saudi Arabia
8	Bassam TAWABINI	Assoc. Prof.	King Fahd University of Petroleum and Minerals, Dept. of Geoscience	Saudi Arabia
9	İrfan AKCA	Assoc.Prof.	Ankara Univ., Geophysical Eng.Dept	Türkiye
9	Alexandros STAMPOLIDIS	Dr.	Aristotle University of Thessaloniki, Dept. of Geology	Greece
10	Çağlayan BALKAYA	Prof. Dr.	Süleyman Demirel Univ., Geophysical Eng. Dept.	Türkiye
10	İsmail Demirci	Dr.	Ankara Univ., Geophysical Eng.Dept.	Türkiye
11	Theis SOLLING	Prof. Dr.	King Fahd University of Petroleum and Minerals, Dept. of Geoscience	Saudi Arabia

Thanks to...

We would like to thank our Scientific Committee for their valuable assistance in preparing the technical program of EGCE2023.

Topics

1- Geophysics and Geology Studies for deep Earth investigations

- 1.1. Seismology, Seismic Imaging, Crustal Fluids & Seismic Activity,
- 1.2. Tectonics, Geochemistry
- 1.3. Magnetotelluric, Gravity, and Magnetic, Heat Flow studies

2- Site Investigation with Geophysics and Geology Studies

- 2.1 Engineering Seismology /Seismic Methods (Refraction, MASW, REMI, Microtremor)
- 2.2 Electric and EM Methods (DC Resistivity, IP, GPR, Controlled Source EM)
- 2.3 Geotechnical, SPT, CPT Test

3- Geophysical Methods and other Non-Destructive Studies of Buildings before and After Earthquake

- 3.4. Earthquake Engineering
- 3.5. How to design an earthquake-resistant structure?
- 3.6. Micro-seismic, Structural GPR, and Micro DC Resistivity
- 3.7. Civil engineering in non-destructive structure investigation

4- Petroleum Geology

- 4.1. Sedimentology and impact of diagenesis on reservoir quality
- 4.2. Applications of carbonate diagenesis to petroleum reservoir characterization
- 4.3. Sedimentology and stratigraphy of carbonate sediments and rocks

5- Geological and geophysical investigations for Oil and Gas Exploration and development

- 5.1. Onshore and offshore geophysics (active/ passive seismic and non-seismic)
- 5.2. Seismic Reflection, Full Waveform Inversion
- 5.3. Integration of geophysics and geological data in E & P
- 5.4. Geological, geophysical, and petrophysical evaluation and monitoring of conventional and unconventional reservoir rocks
- 5.5. Application of AIs in oil and gas E & P

6- Geophysics contribution to the Energy transition (Geothermal, CO₂, wind, solar, minerals)

- 6.1. Geothermal
- 6.2. CO₂ monitoring
- 6.3. Special mineral exploration

7- Mining Geology and Mining Geophysical Studies, Geothermal Exploration

- 7.1. Airborne Geophysics
- 7.2. IP/DC
- 7.3. Drone/Airborne Geophysics
- 7.4. Geothermal Exploration

8- Hydrogeology and Hydrogeophysics Studies

- 8.1. Groundwater modeling and monitoring
- 8.2. Aquifer storage and recovery (ASR)
- 8.3. Groundwater pollution assessment and control
- 8.4. Sustainable use of natural resources (water, minerals, energy, etc.)

9- Archaeometry, Archaeogeophysics and Archaeogeology

10- Modeling, Inversion and Optimization in Geoscience

- 10.1. Inversion and Joint inversion of different geophysical data sets
- 10.2. Global optimization and Deep Learning Algorithm in Geoscience

11- Exhibitor Session

Congress Overview

Overview		
Date	Time	Event Name
10 November 2023 Friday	17:00-18:00	Icebreaker and Congress Photo LOCATION: Amphitheater in front of the swimming pool NOTE: Please take your drinks from the bar with you.
11 November 2023 Saturday	9:00-9:20	Opening Ceremony
	9:20-9:40	Exhibitor Session: Exhibition Companies Short (3 minutes) Presentations Opening Exhibition
	10:30-12:30	Technical Program and Exhibition
	12:30-13:30	Lunch Time
	13:30-17:30	Technical Program and Exhibition
12 November 2023 Sunday	08:40-12:30	Technical Program and Exhibition
	12:30-13:30	Lunch Time
	13:30-17:30	Technical Program and Exhibition
	13:30- 17:00	Course
13 November 2023 Monday	9:00-12:00	Check out and safe back to home
Note: Registration desk will be open everyday between 9:00-18:00		

Technical Program (POSTER)

Sunday - 12 November 2023 - Morning Sessions		
Time	ID	POSTER PROGRAM
10:30	P1	Electric field measurement in poor grounding conditions NİKİTA ZORİN (STC NORD-WEST), DMITRII EPISHKIN (STC NORD-WEST), ANDREY YAKOVLEV (MOSCOW STATE UNIVERSITY), DENİS YAKOVLEV (NORD-WEST)
10:40	P2	Airborne Magnetic Investigation For Detection of Exploded and Unexploded Ordnance Using UAV Systems in a Former Military Area COSKUN ERTUGRUL (SAGTECH GEOPHYSICS)

Technical Program (ORAL SESSIONS)

Saturday - 11 November 2023 (MORNING SESSIONS)

Time	ID	ORAL SESSION HALL A
09:00		OPENING CEREMONY
09:20		Exhibition Session: Exhibition Companies Short (3 minutes) Presentation
10:00		Exhibition Opening - (Exhibition Area)
10:00-10:30		Tea/Coffee Break
SESSION 6: Geophysics contribution to the Energy transition (Geothermal, CO2, wind , solar, minerals)		
		Conveners: Kurt M. STRUCK, Pantelis SOUPIOS
10:30	6,1	AI-Based Integration of Geoscience and other Data for Carbon Sequestration and Enhanced Oil Recovery Fred AMINZADEH (Energy Transition International)
10:50	6,2	Using Electromagnetic Fluid Imaging During the Energy Transition Kurt M STRACK (KMS TECHNOLOGIES), C. BARAJAS-OLALDE (EERC UNIV. NORTH DAKOTA), P. SOUPIOS (KFUMP)
11:10	6,3	How important is multiphysics for electromagnetic imaging Kurt M. STRUCK (KMS TECHNOLOGIES)
11:30	6,4	Volcanic Massive Sulfide (VMS) Ore Deposit in Western Saudi Arabia: A Geophysical Study A. KHOGALI (KFUMP), K.CHAVANIDIS (KFUMP), A. STAMPOLIDIS (ARISTOTLE UNIV. OF THESSALONIKI), R. COLES (GOLDS AND MINERALS COMPANY LTD.), S.HANAFY ((KFUMP), Pantelis SOUPIOS (KFUPM)
11:50	6,5	GeoCluster-ExpertNet: A Proposed Model Integrating Unsupervised Learning with Expert for Optimal Geothermal Drilling Orkun TEKE (Manisa Celal Bayar Univ.)
12:30-13:30		LUNCH

Saturday - 11 November 2023 (AFTERNOON SESSIONS)

Time	ID	ORAL SESSION HALL A
SESSION 5: Geological and geophysical investigations for Oil and Gas Exploration and development		
		Conveners: Sanlinn I. KAKA, Can ÖREN
13:30	5,1	ONLINE: Leveraging Generative Adversarial Networks (GANs) to Enhance Well Logging Data Interpretation for Sustainable Near-Field Exploration Abdulrahman AL-FAKIH (KFUMP), S.I. KAKA (KFUMP), A. KOESHİDAYATULLAH (KFUMP)
13:50	5,2	ONLINE: Potential use of Sonic data for rock typing and geosteering in bioturbated carbonate strata Ammar EL-HUSSEİNY (KFUPM), H. ELTOM (KFUPM)
14:10	5,3	Challenges In Microseismic Technology for Reservoir Characterization and Monitoring: A Brief Review. Sanlinn I. KAKA (KFUPM)
14:30	5,4	Elastic reverse time migration for imaging through gas clouds Can ÖREN (TPAO), Saygın İLERİ (TPAO)
14:50	5,5	AVA analysis of multi-component seismic wave modes (P-Sv, Sv-P) Saygın İLERİ (TPAO)
15:10-15:30		Tea/Coffee Break
SESSION 5: Geological and geophysical investigations for Oil and Gas Exploration and development		
		Conveners: Sanlinn I. KAKA, Saygın İLERİ
15:30	5,6	Gas-Water detection technology and application of LOTEM combined with well logging and seismic data Liangjun YAN (YANGTZE UNIVERSITY)
15:50	5,7	SIP Detection and Quantification of Iron Sulfide (FeS) Materials: A Pathway to Early Monitoring Panagiotis KIRMIZAKIS (KFUPM), A. EL-HUSSEİNY (KFUPM), M. MAHMOUD (KFUPM), P. SOUPIOS (KFUPM)
16:10	5,8	Reconstruction of the 3D subsurface of the Al-Hassa Oasis, Eastern Saudi Arabia Abid KHOGALI (KFUPM), P. KIRMIZAKIS (KFUPM), K. CHAVANIDIS (KFUPM), A.L. ASHADI (KFUPM), A. STAMPOLIDIS (ARISTOTLE UNIV. OF THESSALONIKI), M. Emin CANDANSAYAR (ANKARA UNIVERSITY), PANTELIS SOUPIOS (KFUPM)
16:30	5,9	Determination of Deep-seated Faults Using Gravity and Magnetic Methods: Preliminary Results From North Adıyaman, Southeastern Türkiye Bahar DİNÇER (TPAO), V. IŞIK (Ankara U.), R. SABER (Ankara U.), A. ÇAĞLAYAN (Ministry Of Environment, Urbanisation and Climate Change), R.N. BEKTAŞ (Ankara U.)
16:50	5,10	Determining the Structural Features of the Gulf of Antalya and Its offshore by using Gravity-Magnetic Methods Ahmet KIRMIZITAS (TPAO), M.A.SÜNNETÇİOĞLU (TPAO)
NOTE: The speakers names are written in red colored font.		

Saturday - 11 November 2023 (MORNING SESSIONS)		
Time	ID	ORAL SESSION HALL B
09:00		
09:20		
10:00		
10:00-10:30		Tea/Coffee Break
SESSION 4: Petroleum Geology		
Conveners: Imad GHAFOR, Mehmet HAZAR		
10:30		
10:50	4,1	Stratigraphy From the Pungalla Section, Ashdagh Mountain, North Eastern Iraq Imad GHAFOR (UNIV. OF SULAIMANI)
11:10	4,2	Exhibition Similarities and Disparities Upper Cretaceous Source Rocks from Southeastern Anatolia from Lithologic Content Perspective Mehmet HAZAR (TPAO), T. ISCIMEN (TPAO), Y. D. ERDAL (TPAO), S.G. KOSE (TPAO)
11:30	4,3	ONLINE: Characterization of an Unconventional Organic-Rich Carbonate Mudstone, Late Jurassic Of Saudi Arabia John HUMPHREY (KFUPM), Septriandi CHAN (KFUPM)
11:50	4,4	ONLINE: Understanding the origin of Quartz Cementation in Sandstones for Better Pre-Drill Reservoir Quality Prediction Khalid AL-RAMADAN (KFUPM)
12:30-13:30		LUNCH
Saturday - 11 November 2023 (AFTERNOON SESSIONS)		
Time	ID	ORAL SESSION HALL B
SESSION 2: Site Investigation with Geophysics and Geology Studies		
Conveners: Emin U. ULUGERGERLİ and Ertan PEKŞEN		
13:30	3,1	Non-Destructive Geophysical Investigation of Support Structure Element By Using 3D Inversion of Direct Current Resistivity Data Cansu ARICAN (Ankara Univ.), M. E. CANDANSAYAR (Ankara Univ.), N. Y. GÜNDOĞDU (Ankara Univ.)
13:50	2,1	Geophysical Insights into the Tectonic Regime of the Chania Basin in the Aegean Region Panagiotis KİRMİZAKİS (KFUPM), U. DİKMEN (Ankara Univ.), Pantelis SOUPIOIS (KFUPM)
14:10	2,2	Seismic shielding of urban areas by using integrated geophysical methods Panagiotis KİRMİZAKİS (KFUPM), G. KRITIKAKIS (Technical Univ. of Crete), E. KOKKINO (Hellenic Mediterranean Univ.), N. THEODULIDIS (Inst. of Eng. Seismology and Earthquake Engineering), B. MARGARIS, N. PAPADOPOULOS (Inst. For Mediterranean Studies, Foundation for Research & Technology Hellas), M. STEIAKAKIS (Tech. Univ. Of Crete), U. DİKMEN (Ankara Univ.), M.-D. Mangriotis (Univ. of Southampton), A. SAVVAIDIS (Univ. of Texas), C. LOUPASAKIS (Nat. Univ. Of Athens), A. VAFIDIS (Tech. Univ. Of Crete), Pantelis SOUPIOIS (KFUPM)
14:30	2,3	Resistivity image of leakage from Çanakkale Old Open Waste Disposal Site Ebru Ş. ULUOCAK (Çanakkale Onsekiz Mart Univ.), Emin U. ULUGERGERLİ (Çanakkale Onsekiz Mart Univ.)
14:50	2,4	Investigation of the mineralogical-petrographical and geochemical properties of Darende (Malatya) region limestone Metin BAĞCI (Afyon Kocatepe Univ.)
15:10-15:30		Tea/Coffee Break
SESSION 10: Modeling, Inversion and Optimization in Geoscience		
Conveners: Çağlayan BALKAYA, İsmail DEMİRCİ		
15:30	10,1	Estimating the Electrical Anisotropy Coefficient, Strike Direction, and Dip Angle using Square Electrode Array Data with Generalized Regression Neural Networks Ertan PEKŞEN (Kocaeli Univ.), D. DURDAĞ (Kocaeli Univ.), E. GASIMOV (Kocaeli Univ.)
15:50	10,2	Constrained inversion of geophysical data without regularization parameter using Pareto-optimal swarm intelligence: Application to magnetotelluric problem Ersin BÜYÜK (TÜBİTAK-MAM)
16:10	10,3	A new Software for 3-Dimensional Inversion of Magnetotelluric and Gravity data: Part 1: Software Interface and Gravity Inversion Özcan ÖZYILDIRIM (Afyon Kocatepe Univ.)
16:30	10,4	A New Magnetotelluric 3D Modeling Algorithm: Comparison Based on Different Direct and Iterative Solver Performances İsmail DEMİRCİ (Ankara Univ.)
16:50	10,5	Seismic Velocity Inversion by Improved InversionNet Deep Model: Noisy and Noiseless Training Data sets Mojtaba NAJAFIKHATOUNABAD (Ankara U.), H. Y. KELEŞ (Hacettepe U.), S. KADIOĞLU (Ank. U.)
NOTE: The speakers names are written in red colored font.		

Sunday - 12 November 2023 -Morning Sessions		
Time	ID	ORAL SESSION - HALL A
SESSION 1: Geophysics and Geology Studies for deep Earth investigations		
		Chairpersons: Bülent KAYPAK, Veyisel IŞIK
08:40	1,1	Northwestern Anatolia Lithospheric Resistivity Structure Revealed by 3D Inversion of Long Period Magnetotelluric Data: Comparison With Velocity Lithospheric Structure M. Emin CANDANSAYAR (Ankara Üniv.), İ. DEMİRCİ (Ankara Üniv.), N.Y. GÜNDOĞDU (Ankara Üniv.), H. YILMAZ (Sivas Cumhuriyet Univ.)
09:00	1,2	Identifying and Localizing of Seismogenic EM Anomalies from Data Observed by Permanent MT Stations Wenbao HU (Yangtze Univ.)
09:20	1,3	An Insight Into The East Anatolian Fault Zone And Surroundings Through Earthquake Tomography: The Relocation of February 6, 2023 Main and Aftershocks Using Past Seismic Activity Bülent KAYPAK (Ankara Univ.), Begüm KOCA (Ankara Univ.)
09:40	1,4	ONLINE: What actually Rotational Seismology Means to a Seismologist? Gizem İZGİ (University of Potsdam)
10:00	1,5	ONLINE: Evaluating the Performance of Rotational Sensors Across Different Source Types: Earthquakes, Explosions, and Vibroseis Sweeps Gizem İZGİ (University of Potsdam), Eva P.S. EİBL (University of Potsdam), Frank Krüger (University of Potsdam), Felix Bernauer (Ludwig-Maximilians Universität München)
10:20-10:50		Tea/Coffee Break
SESSION 6: Geophysics contribution to the Energy transition (Geothermal, CO2, wind , solar, minerals)		
		Conveners: Duygu KIYAN and Burcu TURHAN
10:50	6,6	Investigation of the Relationship Between the Topography and the Fluid Circulation Depth on the Geothermal Systems of Central Anatolia Region Sultan BURHANUDDIN (Marmara Univ.), Kamil ERKAN (Marmara Univ.)
11:10	6,7	3D Velocity structure and fluid flows inferred from the microseismic events in the geothermal field, Turkey Burcu TURHAN (TPAO) , T. BİLGİC (MİKROSİSMİK MÜH.DAN. LTD.ŞTİ.), Ü.S. SELEK (MİKROSİSMİK MÜH.DAN. LTD.ŞTİ.), K. BALCI (MASPO ENERGY SAN. ve TİC.A.Ş.), A. YILDIRIM (MASPO ENERGY SAN. ve TİC.A.Ş.), B. KAYPAK (ANKARA UNIV.)
11:30	6,8	Magnetotelluric system NORD D. EPISHKIN (STC NORD-WEST), A. Yakovlev (Lomonosov Moscow State Univ.) and N. Zorin (STC Nord-West)
11:50	6,9	DIG: A Research Project to Assess Ireland's Geothermal Energy Potential Duygu KIYAN (DUBLIN INSTITUTE FOR ADVANCED STUDIES)
12:10	6,10	Geoelectrical Characterization of Geothermal Reservoirs – Case Studies from Gediz Geothermal Area (Türkiye) Özlem HACIOĞLU (Kardeniz Teknik Univ.), A.T. BAŞOKUR (LEMNİS Geoscience)
12:30-13:30		LUNCH
Sunday - 12 November 2023 - Afternoon Sessions		
Time	ID	ORAL SESSION - HALL A
SESSION 7: Mining Geology and Mining Geophysical Studies, Geothermal Exploration		
		Chairpersons: M. Emin CANDANSAYAR, Erhan ERDOĞAN
13:30	7,1	Phoenix New Generation MT/CSAMT Technologies with Real Time Data Transfer Capabilities Erhan ERDOĞAN (PHOENIX GEOPHYSICS Limited)
13:50	7,2	Real time Monitoring of the Natural Broadband EM Signals: Applications for monitoring the active volcanoes Erhan ERDOĞAN (PHOENIX GEOPHYSICS Limited)
14:10	7,3	The magnetotelluric method in geothermal exploration: case studies N. PALSHIN (SHIRSHOV INST.OF OCEANOLOGY RAS), D. EPISHKIN (STC NORD-WEST), A.YAKOVLEV (MOSCOW STATE UNIV.), D. YAKOVLEV (NORD-WEST), Nikita ZORIN (STC NORD-WEST)
14:30	7,4	Magnetotellurics in Deep Mining Operations: Case studies from North America Erhan ERDOĞAN (PHOENIX GEOPHYSICS Limited)
14:50	7,5	Joint application of electromagnetic prospecting methods for mineral exploration: case studies Anastasiya SOLOVYEVA (NORD-WEST), D.EPISHKIN (STC NORD-WEST), V.KULIKOV (MOSCOW STATE UNIVERSITY), D. YAKOVLEV (NORD-WEST), N. ZORIN (STC NORD-WEST)
15:10-15:30		Tea/Coffee Break
SESSION 7: Mining Geology and Mining Geophysical Studies, Geothermal Exploration		
		Chairpersons: Ahmet YILDIZ, Özcan ÖZYILDIRIM
15:30	7,6	KMS array system for CSEM/MT Kurt STRACK (KMS Technologies)
15:50	7,7	Lithium-The Important Resource of Green Technology: Properties, Geology and Turkey's Potential Ahmet YILDIZ (AFYON KOCATEPE UNIV.)
16:10	7,8	The Geochemistry of Clays Çavuşçugöl (Ilgın, Konya) Hakan FİDAN (Kütahya Dumlupınar Univ.), G.YANIK (Kütahya Dumlupınar Univ.), A.YILDIZ (Afyon Kocatepe Univ.), C.ÖZKUL (Kütahya Dumlupınar Univ.)
16:30	7,9	A large scale ERT survey for locating clay minerals Alexandros STAMPOLİDİS (Aristotle Univ. of Thessaloniki), P. LOUVARIS, E. AMANATİDOU, K. POLYDOROPoulos, N. KORDATOS
16:50	7,10	ONLINE: Using Marine CSEM For Reservoir Monitoring Based on Petrophysical Modeling Mohammed ETTAYEBI (Norwegian University of Science and Technology), Shunguo WANG (Norwegian University of Science and Technology), Martin LANDRØ (Norwegian University of Science and Technology)
NOTE: The speakers names are written in red colored font.		

Sunday - 12 November 2023 - Morning Sessions		
Time	ID	ORAL SESSION - HALL B
SESSION 9: Archaeometry, Archaeogeophysics and Archaeogeology		
SESSION 8: Hydrogeology and Hydrogeophysics Studies		
Chairpersons: İrfan AKCA, Alexandros STAMPOLİDİS, N. Yıldırım GÜNDOĞDU		
08:40	8,1	Comparing The Efficiency of Synthetic Vs Natural-Based Liquid Activated Carbon in Removing Organic Pollutants from Contaminated Water Bassam TAWABİNI (KFUPM), T. SALEH (KFUPM), M. AL-RAYYAN (SAUDİ ARAMCO), R. NASSER (SAUDİ ARAMCO), P. SOUPİOS (KFUPM), P. KİRMİZAKİS (KFUPM)
09:00	8,2	Resistivity Imaging of Aquifer Structure With 2D/3D Inversion of Direct Current Resistivity and Audio-Magnetotelluric Data N. Yıldırım GÜNDOĞDU (ANKARA UNIV.), M. Emin CANDANSAYAR (ANKARA UNIV.)
09:20	9,2	Geophysical and remote sensing surveys at the archaeological site of Philippi, N. Greece Alexandros STAMPOLİDİS (ARISTOTLE UNİVERSİTY OF THESSALONİKİ), A. KARAMİTROU (UNİVERSİTY OF SOUTHAMPTON), G. TSOKAS (ARİSTOTLE UNİVERSİTY OF THESSALONİKİ)
09:40	9,3	Imaging Archaeological Ruins By GPR and ERT Surveys: The Case of Ancient Seleukeia Sidera In Pisidia Çağlayan BALKAYA (Süleyman Demirel Univ.), O. ÇAKMAK (Süleyman Demirel Univ.), H.E. TÜTÜNSATAR (Isparta Univ.)
10:00	9,4	Water-Borne Archaeogeophysical Investigations at Lake İznik İrfan AKCA (Ankara Univ.), Mustafa ŞAHİN (Uludağ Univ.)
10:20-10:50	ID	Tea/Coffee Break
SESSION 1: Geophysics and Geology Studies for deep Earth investigations		
Conveners: Veyisel IŞIK, Rıza SABER		
10:50	1,6	Analysis of Surface Rupture Patterns and Fault Offset Variability Associated with the 06 February 2023 Pazarcık (Kahramanmaraş) Earthquake (Mw 7.7) In Islahiye Area, Türkiye Ayşe ÇAĞLAYAN (Ministry Of Environment, Urbanisation and Climate Change), V. IŞIK (Ankara Univ.), R. SABER (Ankara Univ.), H. ÜNAL (GEOMEK Mühendislik) F. CHİTEA (Bucharest University)
11:10	1,7	Evaluation of Relative Tectonic Activity in The Eastern Part Of Khazar Fault Zone, North Iran Marjan TOURANİ (Ankara Univ.), R. SABER (Ankara Univ.), V. IŞIK (Ankara Univ.), A. ÇAĞLAYAN (Ministry Of Environment, Urbanisation And Climate Change), Fiorina CHİTEA (Bucharest University)
11:30	1,8	Probabilistic Earthquake Risk Analyses In The Region Of Sındırgı – Sinanpaşa Fault Zone, Türkiye Ayçan GÜNAY (Ankara Univ.), A. ÇAĞLAYAN (Ministry Of Environment, Urbanization And Climate Change), R. SABER (Ankara Univ.), V. IŞIK (Ankara Univ.),
11:50	1,9	Morphotectonic Characteristics And Paleoseismological Analysis of Aras Fault Zone (Nw Iran); Preliminary Results From Remote Sensing and Field Studies Rıza SABER (Ankara Univ.), V. IŞIK (Ankara Univ.), A. ÇAĞLAYAN (Ministry Of Environment, Urbanisation And Climate Change), F. CHİTEA (Bucharest University)
12:10		
12:30-13:30		LUNCH
Sunday - 12 November 2023 - Afternoon Sessions		
Time	ID	ORAL SESSION - HALL B
13:30		Course Title: Artificial Intelligence AI and Data Analytics DA For Energy Exploration and Production Lectuter: Fred Aminzadeh
13:50		
14:10		
14:30		
14:50		
15:10-15:30		Tea/Coffee Break
15:30		Course Title: Artificial Intelligence AI and Data Analytics DA For Energy Exploration and Production Lectuter: Fred Aminzadeh
15:50		
16:10		
16:30		
16:50		

NOTE: The speakers names are written in red colored font.

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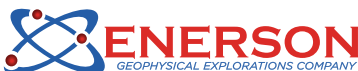


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