



NTGE 2018

NEW TRENDS IN GEOPHYSICS AND ENGINEERING
International Symposium

Istanbul University-Cerrahpaşa, Engineering Faculty
Avcılar-İSTANBUL

NTGE 2018

Organisation Committee

Prof. Dr. Ali Muhittin ALBORA

Prof. Dr. Ferhat ÖZÇEP

Assoc. Prof. Dr. Hakan ALP

07 October 2018	Ali Rıza Berkem Hall	(Engineering Faculty)
Opening Session		
09:00-10:00	Registration	
10:00-12:00	Opening Ceremony Prof. Dr. Ferhat ÖZÇEP (Welcome Speech , Co-Chairman of NTGE 2018)	
Opening Speeches: Prof. Dr. Nuri AYDIN (Rector of Istanbul University - Cerrahpaşa)		
Prof. Dr. Mehmet BİLGİN (Dean of Faculty of Engineering , Istanbul University - Cerrahpaşa)		
Prof. Dr. Mümtaz HİSARLI (Chair of Department of Geophysical Engineering , Istanbul University – Cerrahpaşa)		
11:00-12:00	Opening Lecture: “Review: New Developments in 2D/3D Modeling and Inversion of Geophysical Electrical Methods” by Prof. Dr. Emin Candansayar and Dr. N Yıldırım Gündoğdu	
12:00-13:00	Lunch	

*The total time allotted to each speaker is **15 minutes**. You should plan to speak for **12 minutes** and leave **3 minutes** for questions.

*All presentations must be made using **the English language** and all presentation materials must be created in **English**

07 November 2018 Ali Rıza Berkem , Conference Hall		
Afternoon Session 1 Chairpersons: A. Elmas and A. Muhittin Albora		
13.00-13.15	Determination of Rock Mass Quality Using The Amplitude Attenuation Tomography: A Case Study From The Trabzon, Turkey	A.E. Babacan K. Gelişli D. Tweeton
13:15-13:30	Determination of The Tectonic Lines of The Map of Gravity Anomaly of The Western Anatolian Region by The Cellular Neural Network (Cnn) Method	M.A. Üge A.M. Albora
13:30-13:45	Seismotectonic Implications of the July 20th, 2017 Bodrum Earthquake	S.Över, S.Özden A.Pınar
13:45-14:00	High Resolution Aeromagnetic (Hram) Basement Imaging of Off-Shore Gulf of Suez Prospect, Egypt.	S.M. Sharafeldin, H. Karşlı
14:00-14:15	Coffee Break	
07 November 2018 Ali Rıza Berkem , Conference Hall		
Afternoon Session 2 Chairpersons: Emin Candansayar and Ali İsmet Kanlı		
14.15-14.30	Application of Filtering Technqiues To Enhance Magnetic Data From Egyptain Archaeological Sites	T. F. Abdallatif
14.30-14.45	The Magnetic Survey In Some Archaeological Sites In Iran	B. Aminpour
14.45-15.00	Site Characterization of Ras Al Khaimah National Museum Using Geophysical Techniques, Ras Al Khaimah, UAE	T. F. Abdallatif A.H. Ghandour M.S. Tantawi
15:00-15:15	Geoelectrical Structure of The Avcilar Landslide Using Vlf-Em Method	G. Karcıoğlu
15:15-15:30	Coffee Break	
07 November 2018 Ali Rıza Berkem , Conference Hall		
Afternoon Session 3 Chairpersons: Hakan Karşlı and Hakan Alp		
15.30-15.45	Extending Spectral Band of Seismic Data by The Cepstral Short Time Fourier Transform	H. Karşlı
15.45-16.00	Importance of Filtering Without Surgical Mute In Seismic Data Processing	H. Karşlı D. Dondurur
16.00-16.15	Two Different Processing Methods For Chirp Seismic Data	M.A. Üge H. Alp
16:15-16:30	Comparison of methods used for suppression of multiple reflections	S. Ceren H. Alp

08 November 2018 Ali Rıza Berkem , Conference Hall		
Morning Session 1 Chairpersons: Ergin Ulutaş and Ethem Görgün		
09.30-09.45	Seismotectonic Investigation of Biga Peninsula in SW Marmara Region Using Steerable Filter Technique, Potential Field Data and Recent Seismicity	E. Görgün A.M. Albora
09.45-10.00	Modelling The Tsunami Generation of The September 28, 2018 Minahasa Peninsula, Sulawesi Island, Indonesia Earthquake	E. Ulutaş
10.00-10.15	An Assessment On Current Seismicity Rate Changes In Erzurum Province of Turkey: Implication For Earthquake Hazard	S. Öztürk M. Sarı
10.15-10.30	Crust and Upper Mantle Structure Beneath The KTUT (Trabzon) and ERZN (Erzincan) Stations From Joint Inversion of P and S Receiver Functions	H. Alkan H. Cınar S. Oreshin L. Vinnik
10.30-10.45	Coffee Break	
08 November 2018 Ali Rıza Berkem , Conference Hall		
Morning Session 2 Chairpersons: Nilgün Sayıl and Ferhat Özçep		
10.45-11.00	Evaluation of Soil Liquefaction Potential by Using Microtremor Measurements In Trabzon, Turkey	S. Ceylan, A.E. Babacan Ö. Akin
11.00-11.15	Study On The Applicability of The Ambient Noise Hvsr Method In Bağlarbaşı (Gümüşhane), Ne Turkey	Y. Beker N. Sayıl
11.15-11.45	Description of Subsoil Types From Microtremor H/V Spectral Ratio Method In Kelkit District of Gümüşhane Province, Turkey	S. Öztürk Y. Beker L. Pehlivan M. Sarı
11:45-12:00	Analysis of Soil-Structure and Resonance Effects of Gümüşhane University Campus Area In Turkey With HVSR and FSR Methods	Y. Beker N. Sayıl
08 November 2018 Ali Rıza Berkem , Conference Hall		
Afternoon Session 1 Chairpersons: Serkan Öztürk and Onur Tan		
13.00-13.15	An Appraisal of Future Seismic Potential For Erzurum Province of Turkey: Analyses of Basic Size-Scaling Parameters	S. Öztürk
13:15-13:30	Application of Slip Predictable Model to Earthquake In Anatolia	N. Sayıl
13:30-13:45	Bayesian Probabilities of Earthquake Occurrences In The East Anatolian and Surroundings (Eastern Turkey)	T. Türker, Y. Bayrak
13:45-14:00	Applicability of Time-Dependent Seismicity Model For Earthquake Occurrence Along The North Anatolian Fault Zone	N. Sayıl
14:00-14:15	Coffee Break	

08 November 2018 Ali Rıza Berkem , Conference Hall		
Afternoon Session 2 Chairpersons: Tolga Bekler and Mümtaz Hisarlı		
14.15-14.30	Investigation of Vulnerability Index by Single Station Microtremor Method: A Case Study of KTÜ Campus	Y. Beker N. Sayıl Ö. Akin K.H. Çoban
14.30-14.45	Availability of Artificial Neural Network (Ann) In Strong Ground Motion Prediction	K.H. Çoban N. Sayıl
14.45-15.00	Shallow Engineering Seismic Parameters At Landslide-Prone Areas and Its Evaluations: A Case Study From Çanakkale	T. Bekler, A.Demirci
15:00-15:15	Definition of The Crust Structure of Anatolia by Surface Wave Data	N. Sayıl
15:15-15:30	Coffee Break	
08 November 2018 Ali Rıza Berkem , Conference Hall		
Afternoon Session 3 Chairpersons: Gökhan Karcıoğlu and Mehmet Ali Üge		
15.30-15.45	Biga-Çan Gravity Data, Comparison of 3d Euler Deconvolution and 3d Modeling Results	G. Karcıoğlu O. Tarhan Bal A. B.Tekkeli
15.45-16.00	An Analysis of The Magnetic Anomaly Map of The Black Sea Region by The Cellular Neural Network (CNN) Method	M.A. Üge A.M. Albora
16.00-16.15	Smooth 3d Modeling of Gravity Data Using Particle Swarm Optimization	G. Karcıoğlu O. Tarhan Bal A. B.Tekkeli
16:15-16:30	Differences between Time and Depth Migration Processes of the Multi-Channel Seismic Reflection Data from BabaBurnu Shelf, Canakkale	M.A. Üge E. Demirbağ
16:30-16:45	Estimation of Velocity Distribution by 2d Travel Time Reflection Tomography In The Gulf of Izmir (Western Turkey)	Z.Altan N.Ocakoğlu G. Böhm

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09 November 2018 Ali Rıza Berkem , Conference Hall Morning Session 1 Chairpersons: Bülent Oruç and Mualla Çinku		
09.30-09.45	Paleomagnetic Results Along The Bitlis-Zağros Suture Zone In Se Anatolia, Turkey	B.Bakkal M.C. Çinku F.Heller
09.45-10.00	Uppermost Crustal Structure of SW Biga Peninsula by Local Earthquake Tomography	T. Bekler A. Demirci
10.00-10.15	Orientation of The Maximum Horizontal Comprehensive Stress Directions In Central Anatolia.	E. Ulutaş B. Oruç M.B. Doğan
10.15-10.30	Anisotropy of Magnetic Susceptibility Measurements On Predicting Flow Direction of Eastern Anatolian Volcanic Eruption	H. Uçar M.C. Çinku
10.30-10.45	Coffee Break	
09 November 2018 Ali Rıza Berkem , Conference Hall Morning Session 2 Chairpersons: Serkan Üner and Okan Tezel		
10.45-11:00	Mining Search Examination With Time Domain Ip Methodat Giresun, Turkey	O. Tezel M.A. Üge
11.00-11.15	Tracing The Hisarcık Fault With 2D VES Inversion and Numerical Fluid Flow and Temperature Simulations	S. Üner G.Ö.Ağaçgözü D.D. Doğan
11.15-11.45	Time Domain Induced Polarization Method Study of Metallic Ore (Antimony) At Gumushane, Turkey	O. Tezel M.A. Üge
11.45-12.00	Determination of the low velocity crustal structures in Marmara Region	I.H.Demirsikan, Ş.Şahin
12.00-12.15	The Results Of Direct Search Of Oil And Gas Deposits By Refraction Waves Method Of Seismic Exploration In Complex With Gravity Exploration In Middle Kura Depression Conditions Of Azerbaijan	A.G.Novruzov

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The size of the poster boards will be 1 meter wide X 2 meters high; This means that your poster should be maximum 90 cm wide X 180 cm high (Portrait format).

POSTER SESSION		
P1	The Importance of Geophysical Methods In Soil Problems	G. Erdan A.M.Albora
P2	The Investigation of The Central Anatolian Faults by Using Satellite Gravity Data	F. Dođru O.Pamukçu D. Altan
P3	Comparison of Marchenko Redatuming and Imaging With Conventional VSP Processing Applied To The Frio Carbon Sequestration Experiment	M.S.Kiraz R.L.Nowack
P4	Recent Fault detection using steerable filters: A case Study Gulf of Saros / NW TURKEY	H. Alp E. Görgün A.M. Albora
P5	Possible Mutuyama-Brunhes Boundary In Cave Sediment of The Czech Republic	H.Ucar G.Kletetschka J. Kadlec T.Kamenikova E.B. Herrero
P6	A Close Look at Crustal Structure of Lake-Van Region from Inter-Station Rayleigh Wave Phase Velocities	H. Alkan H.Çınar
P7	Seismicity of the Erzurum City and the Surrounding Area from Maximum Likelihood Method	E.Bayrak Y.Bayrak H.Alkan
P8	Forecasting the oil and gas saturation by seismic and gravimetrical survey in the boyuk palantokan-kollug Area of the middle kura depression	A.G.Novruzov
P9	Geophysical Methods for Near Surface Explorations	M.Hurben A.M.Albora
P10	Seismotectonic Investigation of Gökova Gulf Using Seismic Reflection and Seismological Data Set	E.Görgün A. Azizov
P11	Applications of Post-stack migration types in seismic data	Y.Rahimov H.Alp
P12	Seismic Multiple Removal with Surface Related Multiple Attenuation (SRMA) Technique	Y. İşcan Alp, N. Ocakođlu, O. Özel
P13	EU Liquefact Project Studies in Çanakkale Pilot Site	F. Özçep S. Öztoprak N. Aysal İ. Bozbey O. Tezel C. Öser S. Sargın M. Çinku K. Özdemir
P14	Identification Of Pulse Shape Signals On Near Fault Stations With Convolutional Neural Network Algorithms: Preliminary Results	D. Ertuncay G. Costa



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JEOSTATİK

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