



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ








الأمير فيصل بن بندر بن عبد العزيز
 أمير منطقة الرياض

الرعاية
 صاحب السمو الملكي
الأمير فيصل بن بندر بن عبد العزيز
 أمير منطقة الرياض

تشرف الجمعية السعودية لعلوم الأرض
 بدعوتكم لحضور
 حفل افتتاح فعاليات
المؤتمر الدولي الجيولوجي الحادي عشر
 وزيارة المعرض المصاحب وذلك في تمام الساعة الثامنة من مساء
 يوم الثلاثاء ٢٣ رجب ١٤٣٦هـ الموافق ١٢ مايو ٢٠١٥م
 بقاعة حمد الجاسر
 في بهو جامعة الملك سعود.

نتمنى أن البرنامج العلمي للمؤتمر ينفذ بالصيغة المثالية صباح الثلاثاء

٨١٠٠ - ٨١٣٠ م	فيلم وثائقي	مدينة الملك عبدالعزيز للعلوم والتقنية KACST
٨١٣٠ - ٨١٣٥ م	القران الكريم	
٨١٣٥ - ٨١٤٠ م	كلمة رئيس المؤتمر	
٨١٤٠ - ٨١٤٥ م	كلمة مدير الجامعة	
٨١٤٥ - ٨١٥٠ م	كلمة راعي الحفل	
٨١٥٠ - ٨١٥٥ م	تكريم الداعمين	
٨١٥٥ - ٩١٠٠ م	افتتاح المعرض	

برنامج الحفل








المؤتمر الدولي الجيولوجي الحادي عشر
 The Eleventh International Geological Conference
 12-14/5/2015 23-25/7/1436

PARTICIPANT

المؤتمر الدولي الجيولوجي الحادي عشر
 The Eleventh International Geological Conference
 12-14/5/2015 23-25/7/1436

SPEAKER

المؤتمر الدولي الجيولوجي الحادي عشر
 The Eleventh International Geological Conference
 12-14/5/2015 23-25/7/1436

ORGANIZER

المؤتمر الدولي الجيولوجي الحادي عشر
 The Eleventh International Geological Conference
 12-14/5/2015 23-25/7/1436

STUDENT

المؤتمر الدولي الجيولوجي الحادي عشر
 The Eleventh International Geological Conference
 12-14/5/2015 23-25/7/1436

EXHIBITOR





البرنامج العلمي
للمؤتمر الدولي الجيولوجي الحادي عشر
SCIENTIFIC PROGRAM
of
The Eleventh International Geological Conference

Saudi Society of Geosciences
Riyadh, Saudi Arabia

23 – 25 Rajab 1436
12 – 14 May 2015





The Scientific Program & Abstracts and other Relevant Issues are Available in the Enclosed Flash Memory

برعاية صاحب السمو الملكي الأمير / فيصل بن بندر بن عبدالعزيز أمير منطقة الرياض ينعقد

المؤتمر الدولي الجيولوجي الحادي عشر

٢٢ - ٢٥ رجب ١٤٣٦ هـ

The Eleventh International Geological Conference Will be Inaugurated under the
Patronage of HRH Prince Faisal bin Bandar bin Abdulaziz, the Governor of Riyadh Region

12 – 14 May 2015

Saudi Society of Geosciences

Riyadh, Saudi Arabia

4





Introduction

The Saudi Society of Geosciences invited all concerned geoscientists and experts from Arab and foreign countries to participate in the activities of its 11th international geological conference which will be held from 12 -14 of May 2015 in Riyadh, Saudi Arabia.

The main objective of this meeting is to advance and enhance the geoscientific knowledge in earth sciences of the Arabian region and its relation to the sustainable development. This goal will be achieved and implemented through exchanging ideas and experiences among participants from Arab and foreign countries.

The meeting will include oral and Poster presentations, panel discussions and Exhibition. External and Internal Keynote speakers are invited as well.

Main Themes:

- ❖ Geology of the Arabian Nation
- ❖ Exploration of Natural Gas and Petroleum
- ❖ Sustainability and Development of Water Resources
- ❖ Exploration & Exploitation of Minerals
- ❖ Environmental Geology & Engineering
- ❖ Remote Sensing & GIS Applications
- ❖ Applied Geophysics
- ❖ Geochemistry
- ❖ Geotechnical Engineering
- ❖ Seismology & Crustal Structures
- ❖ Earthquakes , Volcanism and Geohazards
- ❖ Structure & Neotectonics
- ❖ Stratigraphy & Sedimentology





Foreword

The Saudi Society of Geosciences welcomes all participants in the 11th international geological conference. We hope that this conference will provide us with a unique opportunity to discuss and exchange ideas and thoughts related to earth sciences in the Arab region. One hundred and fifty six abstracts will be presented (108 Oral and 48 posters) in the current conference covering all subjects of earth sciences.

Acknowledgments

The Saudi Society of Geosciences would like to thank HRH prince Faisal Bin Bandar Bin Abdulaziz, the governor of Riyadh Region for inaugurating the 11th international geological conference. We also would like to extend our thanks and gratitude to the Rector of King Saud University, his Excellency Prof. Badran Al-Omar for his support and to Prof. Ahmad Al-Ameri, KSU Vice rector for his following up and encouragement.

Special thanks are extended to King Abdulaziz City for Science & Technology, General Organization of survey, Saudi Geological Survey, Chevron Company, Saudi Geophysical, Sanabel Al-Salam and Jobran Holding for their financial support. Finally, we thank all organizing, Public relations and scientific committees for their help in succeeding the conference and our thanks also extend to faculty members, staff and students of geology & geophysics Dept. at KSU for their support and arrangements.



Ad hoc Committees

Organizing Committee	
Prof. Abdullah M. Al-Amri	Chairman
Prof. Mohammed S. Fnais	Member
Prof. Kamal A. El-Sayed	Member
Mr. Saad M. Alhomaidan	Member
Mr. Yousef A. Al-Ayesh	Member

Scientific Committee	
Dr. Mohammad E. Al-Dabbagh	Chairman
Prof. Abdullah M. Al-Amri	Member
Prof. Kamal A. El-Sayed	Member
Dr. Osama K. Kassem	Member
Dr. Faisal K. Zaidi	Member
Dr. Mahmoud El-Waheidi	Member



Public Relations Committee	
Dr. Khaled M. Alkahtani	Chairman
Mr. Yousef A. Al-Ayesh	Member
Mr. Saud A. Al-Saif	Member
Mr. Abdulrahman Al-Mansour	Member
Mr. Turki Al-Yousef	Member
Mr. Fahad Al-Omairah	Member
Mr. Saqr Al-Dawsary	Member



GEOLOGICAL THEMES : Hall (7A)

Tuesday, May 12

Morning Session

8:00 - 9 :00	Registration
Chairman : Nabil Khelifi	
9:00 - 9:30	Keynote Speaker : Robert A. Duncan, A. Kent, D. Graham, A. Al-Amri, S. Al-Shaltoni New Ages and Compositions of Lava Flows from the Harrats Province, Western Saudi Arabia
9:30 - 10 :00	Keynote Speaker: François Roure Coupling tectonic and stratigraphic modeling tools in complex tectonic domains: the North Algerian Offshore case study
10:00 – 10:30	Keynote Speaker : Mohamed Meguid On the local hazard mapping in urban cities: some recent experiences from Eastern Canada
10:30 - 11 :00	Coffee Break



Chairman : El-Tahir Idris	
11:00 – 11:30	Keynote Speaker : Majed Almalki KACST Achievements in the Development of Geoscience Technologies
11:30 – 12:00	Keynote Speaker : Bandar Almuslmani General Commission for Survey products and services in support of geosciences in KSA
12:00 – 12:30	Keynote Speaker : Zuhair A. Nawab Saudi Arabian Mineral Discoveries and Future
12:30 - 02 : 00	Dhuhr Prayer + Lunch





Tuesday, May 12

Afternoon Session

Chair: Abdel Halim H. El Nadi	
Time	Subjects
2 : 00 - 2 : 20	<u>A. Bamousa</u> , A. M. Memesh, Salih M. Dini & Ali Al Zahrani Regional detachment folding and layer-parallel shortening in lower Sulaiy Formation, Central Arabia
2 : 20 - 2 : 40	<u>Azizi Ramzi</u> & Chihi Lassaad Superposed folding phases in the plastic material of Kechabta Neogene basin (Northeastern Tunisia): Accuracy and chronological consistency of Atlasic compression age (upper Totonian) across Tunisia
2 : 40 - 3 : 00	<u>O. M. Kassem</u> , Z. Hamimi, A.M. Al Bassam & Saad Al Humidan Tectonic Setting and quantitative strain analysis of Al Amar Suture separating Ad Dawadimi and ArRayn Terranes in Eastern Arabian Shield
3 : 00 - 3 : 20	<u>Bachir HENNI</u> Geochemical characteristics of Edough iron formations (NE of Algeria) and implications for ore genesis
3:20 –3:40	<u>Mohamed Benaafi</u> and <u>Mustafa M. Hariri</u> Nature and geometric properties of the natural fracture system within the Wajid the sandstone group, SW Saudi Arabia
3 : 40 - 4 : 00	Break & Asr Prayer



Wednesday, May13

Morning Session



Chair : Omar Hamzah	
8 : 30 - 8 : 50	<u>A. Sahin</u> Impact of Cut-off Grade Variations on Gold Deposits in the Arabian Shield
8 : 50 - 9 : 10	<u>Boutaleb A., Sami L., Kolli O. and Haddouche O.</u> Fluid inclusions and halogens geochemistry of the deposits at the North Eastern Algeria (Diapiric Zones)
9 : 10 - 9 : 30	<u>Ahmed E. Khalil</u> Petrography, Geochemistry and Emplacement of Island Arc Gabbro – Diorite - Tonalite Plutons in the Wadi Abu El-Lijam and Wadi Selilab, Central Eastern Desert, Egypt
9 : 30 - 9 : 40	<u>Ali Sdiri, Samir Bouaziz, Fakher Jamoussi & Teruo Higashi</u> Silicates enhanced heavy metals removal by Tunisian natural limestone in aqueous solutions
9 : 40 - 10 : 00	<u>Hago Ali & Traugott Scheytt</u> Groundwater Suitability for domestic and agricultural use Gash River Basin, Eastern Sudan

12





10 : 00 - 10 : 20	Ahmed Melegy, Ahmed El-Kammar & Ghadir Miro Removal of Cadmium from Beni Suef Water by Using Syrian Natural Zeolite
10 : 20 - 10 : 40	Ezzat A. Korany , Samir M. Raslan and Wail M. Shukry Significant Control of Groundwater Flow Systems and Hydrocarbon Potentials in the North Western Desert, Egypt
10:40 – 11:00	Coffee Break



Wednesday, May13

Morning Session



Chair : Ali Sahin	
11: 00 - 11 : 20	<p>Nabil K., Martin F., Sajid A., StellanR., Stephanie K., Lucas L.& Francisco J.</p> <p>Evolution of Mediterranean climate and water outflow inferred from neodymium isotopes and grain size distribution in the Gulf of Cadiz during the past 3.2 million years</p>
11 : 20 - 11 : 40	<p>Al-Khidir, K.E</p> <p>Induced Polarization Relaxation Time Fractal Dimension Derived from Capillary pressure data for characterizing Shajara Reservoirs of the shajara Formation of the Permo-carboniferous Unayzah Group</p>
11 : 40 - 12 : 00	<p>Asakalany, M.M. & Badry M. M</p> <p>Geotechnical properties and sedimentological characteristics of some clastic and non-clastic rocks in the southern part of the Nile valley and the Red Sea coast, Egypt</p>
12 : 00 - 12 : 20	<p>Shazly,T. ; Ramadan M. & El-Sawy, M. Z.</p> <p>Application of Well Logs Analysis to Identify the Source Rock Capabilities of Rudeis and Kareem Formations in Rudeis Field, Gulf of Suez, Egypt.</p>





12 : 20 – 12: 40	<u>Sherif F., Mahmoud F., Fayez A., John H.</u> New microplanktonic biostratigraphy and depositional sequences across the Middle –Late Eocene and Oligocene boundaries in eastern Jordan.
12:00 - 02 : 00	Dhuhr Prayer + Lunch



Wednesday, May13

Afternoon Session

Chair: Samir Oughou

Chair: Samir Oughou	
2 : 00 - 2 : 20	Abdel Halim El Nadi & Khalid A. Elsayed Zeinelabdein Application of remote sensing for gold prospecting in desert and poor savannah environments
2 : 20 - 2 : 40	Hisham G. , Shoje A. , Sattam M. & Mohal. Podiform chromite mineralization in the Bou-Azzer mineral province, Anti-Atlas Morocco: Petrogenesis and tectonomagmatic evolution
2 : 40 - 3 : 00	Amar Guettouche & FaridKaoua Using a GIS to Assessment the land movements hazard Case of Berhoum area, Hodna Basin, (eastern Algeria)
3 : 00 - 3 : 20	Abdelwaheb Aydi & Tarek Abichou Integrating Multi-Criteria Evaluation Techniques with Geographic Information Systems for Olive Mill Wastewater Disposal Site Selection
3 : 20 - 3 : 40	Fathy A. Abdalla Effects of Riverbank Filtration as a New Treatment Technology: Case Study, Assuit, Upper Egypt
3 : 30 - 4 : 00	Break & Asr Prayer

Wednesday, May13

Afternoon Session

Chair : Abdelhak Boutaleb	
04 : 00 - 04 : 20	<u>Sultan, Shahzad, Hui, Lin, Renguang, Wu & Peifeng, Ma</u> The sensitivity analysis of convective rainfall simulation to land use and DEM over the complex terrain using GIS
04 : 20 - 04 : 40	<u>Mohamed Y. & Abdelbaset S.</u> Palaeoecology of Benthic Foraminifera in Coral Reefs Recorded in the Jurassic Tuwaiq Mountain Formation of the Khashm Al-Qaddiyah Area, Central Saudi Arabia
04 : 40 - 05 : 00	<u>Habes Gh. & Husain A.</u> Mapping Land cover at Qurayah Sabkha, Northern Saudi Arabia Using landsat 7 ETM and Aster Reflectance Data
05 : 00 - 05 : 20	<u>Hassan B., Yuniarti U., Mohd N., Mohammad N. & Akmal A.</u> Black shales outcrops in Malaysia: Occurrence and geological setting
05 : 20 - 05 : 40	<u>K. Alkahtani , Mohameed Y. & Abdelbaset S.</u> Geochemical and foraminiferal analysis of the surface sediments of Dammam coast, Arabian Gulf, Saudi Arabia

Thursday, May14

Morning Session



Chair : Najeeb Abou Karaki	
08 : 30 - 08 : 50	<u>Abdulaziz A. Laboun</u> Glacial Episodes of the Arabian Peninsula
08 : 50 - 09 : 10	<u>M. E. Al- Dabbagh & A. S. El-Sorogy</u> Diagenetic alteration of the Upper Jurassic Scleractinian corals, Hanifa formation at Jabal Al-Abakkayn, Central Saudi Arabia
09 : 10 - 09 : 30	<u>Yousry M. & Abdul I.</u> Chronostratigraphy and age boundaries of some Eocene exposures in west central Sinai, Egypt.
09 : 30 - 09 : 50	<u>Ibrahim B. & Ali E.</u> Sedimentological investigation of the upper cretaceous Shendi Formation, Atbara Basin, Central Sudan
09 : 50 - 10 : 10	<u>Asifraza, Wael F., & Abdul Wahab F.</u> A comparative groundwater and surface water management study in Arid Region, South Arabia, a case study of wadiTabalahh and Gho`ba
10 : 10 - 10 : 30	<u>Ramadan Abu-Zied, Talha A. Al-Dubai & Rashad A. Bantan</u> Environmental conditions of the shallow water alongside the southern Corniche of Jeddah based on benthic foraminifera, heavy metals and physico-chemical parameters
10 : 30 – 11 : 00	Coffee Break

18





Thursday, May14

Morning Session

Chair: Moustafa M. Hariri	
11 : 00 - 11 : 20	Mohamed Elhag & Jarbou A. Bahrawi Contemplation of Remote Sensing Application in Soil Moisture Content in Arid Environments
11 : 20 - 11 : 40	A. Umran Dogan , Meral Dogan & Dale E. Wurster Biomineral Bassanite in African Chewing Sticks.
11 : 40 - 12: 00	R. Hbaieb , M. Soubrand , E. Joussein , M. Medhioub Impact of mining wastes of Fej Lahdoum (North West of Tunisia) on soil
12 : 00 - 12 : 20	Taouaf, L. and Hassini, A. Ecological changes detection for Oasis of Brezina, southern Algeria using remote sensing techniques.
12 : 20 - 12 : 40	Donny R. Wahyudi , Dicky Muslim , Bombom R. Suganda Tectonic Class Activity Based on Geomorphology Index in Sukahatja Region, Bogor County, West Java, Indonesia
12:40 - 02 : 00	Dhuhr Prayer + Lunch



Thursday, May 14

Afternoon Session

Chair: Hui Lin

Chair: Hui Lin	
2 : 00 - 2 : 20	<u>Arif Darana and Dicky Muslim</u> Slope and Lithological Control on Landslide Potential Assessment based on Geological map of Mukapayung Region, West Java, Indonesia
2 : 20 - 2 : 40	<u>Jawad Majeed and Badar Sajid</u> Geological Mapping to evaluate structural and stratigraphic framework of areas of Mirpur and Kotli, Azad Jammu and Kashmir, Pakistan.
2 : 40 - 3 : 00	<u>Tariq M. Akif, Moustafa M. Hariri and Mohammed Benaafi</u> Effect of major spacing and positions on the intensity and distribution of the in-between minor and small size associated fractures, Dammam Dome, Eastern Saudi Arabia.
3 : 00 - 3 : 20	<u>Satria Antoni</u> Geochemistry of surface sediments from Jeddah Coast: A contribution for the evaluation of anthropogenic inputs



3 : 20 - 3 : 40	<p>Abdelkarim A. and Osman Abdullatif</p> <p>Integration of Lithfacies and porosity Characteristics of Miocene Dam Formation Outcrop, Eastern Saudi Arabia: Implication for the Miocene Hydrocarbon Reservoirs in the Middle East.</p>
3 : 40 - 4 : 00	<p>Break & Asr Prayer</p>





Thursday, May 14

Afternoon Session

Chair: M. Gargouri	
4 : 00 - 4 : 20	M. Abu El-Enen , T. Abu-Alam, M. Whitehouse, K. Ali & M. Okrusch Metamorphic Evolution of Southeastern Hafafit Culmination area, Eastern Desert, Egypt: Constraints from volcano-sedimentary Investigation
4 : 20 - 4 : 40	Badr El Din K. , Ali Eisawi , Salih Salih, Bashir A. & A.Fadul Discovery of Manganese in Upper Cretaceous Strata, Central Sudan: Genesis and Economic Potentiality
4 : 40 - 5 : 00	Bassem S. Nabawy & Nabil A.S.A. Al-Azazi Reservoir zonation and discrimination using the routine core analyses data: The Upper Jurassic Sab'atayn sandstones as a case study, Sab'atayn basin, Yemen
5 : 00 - 5 : 20	Mohamed A. Obeid & Mokhles K. Azer Pan-African adakitic rocks of the north Arabian-Nubian Shield: petrological and geochemical constraints on the evolution of the Dokhan volcanics in the north Eastern Desert of Egypt.



GEOPHYSICAL THEMES : Hall (7B)

Tuesday, May12

Afternoon Session

Chair: Niyazi Turkelli

2 : 00 - 2 : 20	Majed Al-Malki Virtual Source Tomography in Shallow Sandstone Aquifer
2 : 20 - 2 : 40	Abdalmohsin Dolaijan Broadband Seismic: How Many Octaves are Enough for Improved Resolution?
2 : 40 - 3 : 00	Boudina, A. , Hammoutene, M. and Tiliouine B. Generation of Seismic Excitations from Target Spectrum- Eurocode Application (EC8)
3 : 00 - 3 : 20	Faisal Alonaizi and Roman Pevzner Seismic Diffraction Imaging for Edge Detection
3 : 20 – 03:40	Alothman, A.O. and Basem Elsaka Evaluation of Recent Arabian Plate Motion from Space Observations and Geophysical Models.
3 : 40 - 4 : 00	Break & Asr Prayer

Wednesday, May13

Morning Session



Chair: Abdulmohsin Dolajjan	
08 : 30 - 8 : 50	<u>Oughou Samir, OuyedMerzouk</u> Stress Tensor Inversion in Northern Algeria Using Earthquake Focal Mechanism from El Asnam (1980) and Zemmouri (2003) Earthquakes
8 : 50 - 9 : 10	<u>Hussein, H., Abu El-Nader, I., ElGabry, M. and Hany H.</u> The mb 5.1 Nile Cone Earthquake of the January 17, 2013 Continental Margin of Egypt
9 : 10 - 9 : 30	<u>AbouKaraki, N. and Closson, D.</u> Developments of the Dead Sea Geo-hazards Early Warning System 1991-2015.
9 : 30 - 9 : 50	<u>Yousef Timoulali</u> Remote Sensing and Local Earthquake Tomography for Understanding the Tectonics in the SW High Atlas: Case of Agadir Region (Morocco)





9 : 50 - 10 : 10	Mohamed, A.; Radwan, A. ; Sharf, M.; Hamimi, Z.; Hegazy, E.; Gomaa, M. Evaluation of Deformation Parameters of the Northern Part of Egypt using the Global Navigation Satellite System
10 : 10 - 10 : 30	Samir Bouaziz , Rouf Ghribi and Nejb Bahrouni Structural Analysis and Interpretation of Active Deformation in Tunisia: Present Day Kinematic Pattern
10 : 30 – 11: 00	Coffee Break



Wednesday, May13

Morning Session



Chair: Zuhair El-Isa	
11 : 00 - 11 : 20	Niyazi Turkelli , Selda Altuncu Poyraz and Ugur Teoman Upper Crustal Structure Beneath the Western Segment of the North Anatolian Fault Zone (NAFAZ) in Sakarya and Surroundings
11 : 20 - 11 : 40	Abdullah M. Al-Amri Crustal and Upper Mantle Structures of the Red Sea and Arabian Shield.
11 : 40 - 12 : 00	Essam Aboud Relationship Between Curie Isotherm Surface and Moho Discontinuity in the Arabian Shield, Saudi Arabia
12 : 00 - 12 : 20	Radwan, A.H and Issawy, E.A. Integrated Lithospheric Modeling in the Red Sea area
12 : 20 - 12 : 40	Ahmed Hosny and Andrew Nyblade Crustal Structure in southeastern Egypt: Symmetric thinning of the northern Red Sea rifted margins.
12 : 40 – 02: 00	Dhuhr Prayer & Lunch



Chair: Hatem Oudah

2 : 00 - 2 : 20	<p>Tarek A. Hamed, Sultan A Araffa and Essmat M. Abdelaal Subsurface Structure of Wadi Qena and its Relation to the Tectonic Setting of the Red Sea as Deduced from Land Magnetic Survey and Satellite Imagery</p>
2 : 20 - 2 : 40	<p>Khaled A. E. Zeinelabdein, Abdalla E.M. Elsheikh The Integration of Remote Sensing and Satellite Gravity Data for Regional Geological Mapping in Poorly Exposed Geological Terrains: Case Studies from Sudan</p>
2 : 40 - 3 : 00	<p>Bendiab, E., Bouguerne, A.; Allek, K.; O., S., Boubaya, D. Curie Isotherm Level Determination Using Spectral Analysis Technique and Tectonic Implication of Magnetic Data from Occidental Offshore of Algeria</p>
3 : 00 - 3 : 20	<p>Salah E., Hani Z., Mahmoud E. and Mahmoud S. Seismicity and Seismotectonic settings of Western Saudi Arabia with Emphasize of 5.1 Baish-Jizan Earthquake, 2014</p>
3 : 20 - 3 : 40	<p>Karam S. I. Farag Imaging Subterraneous Water Regime and Characterizing Soil/Bedrock Conditions at the Ancient Islamic City “Al-Fustat” (Old Cairo) Using Non-Invasive Surface Electromagnetic Induction Techniques</p>
3 : 40 – 4: 00	<p>Break & Asr Prayer</p>

Chair: Salah Mahmoud	
4: 00 - 4 : 20	<u>Sherif E., Faisal R., Ali Atef, Hussein Harbi</u> Seismic Spectral Microzonation Maps of Wadi Fatima, Makkah District, Saudi Arabia
4 : 20 - 4 : 40	<u>Awad, M.A.;Et Toam, G.A.A. and Dawood, A.S.</u> Finding Potential Hydrocarbon Structural Traps in Joknyang Field, Muglad Basin, South Sudan, Using Seismic Interpretation
4 : 40 - 5 : 00	<u>Salah Saleh and Oya Pamukçu</u> The Major Tectonic Boundaries for the Northern red Sea Rift, Egypt, Derived from Geophysical Data Analysis
5 : 00 - 5 : 20	<u>Adeoti, L.; Elijah, L.E. and Adegbola, R. B.</u> Subsurface Site Characterization Using Geophysical Methods for Engineering Purposes: A Case Study of a Proposed Power Plant Structure at Obokofia, Imo State, Nigeria
5 : 20 - 5 : 40	<u>Boudina, A., Hammoutene, M. and Tiliouine B.</u> Generation of Seismic Excitations from Target Spectrum- Eurocode Application (EC8)

Thursday, May14

Morning Session

Chair: Yousef Timoulali	
8 : 30 - 8 : 50	<u>Hani Zahran and Salah El-Hadidy</u> Saudi National Seismic Network (SNSN) and its role in better understanding of seismicity of Kingdom of Saudi Arabia
8 : 50 - 9 : 10	<u>Abouelela A. Mohamed</u> Role of the Egyptian National Seismological Network to mitigate the Seismic Hazard of Egypt
9 : 10 - 9 : 30	<u>Zuhair H. El-Isa</u> Mid-Oceanic Ridge type of Seismicity all along the axial trough of the Red Sea
9 : 30 - 9 : 50	<u>El-Hussain, I., Deif, A., Girgis, M., Al-Rawas, G., Mohamed, A.E.M., Al-Jabri, K., and Al-Habsi, Z.</u> Evaluation of Liquefaction potential of alluvial soil deposits in Muscat
9 : 50 - 10 : 10	<u>Sayed A.M. Dahy</u> Seismic Active Zones and Mechanism of Earthquakes in Northern Egypt
10 : 10 - 10 : 30	<u>Salah Mahmoud, A.A. Mohamed, A. Rayan, A.M. Radwan</u> Present Situation of GPS Observations and Seismicity in Egypt
10 : 30 - 11 : 00	Coffee Break

Thursday, May14

Morning Session

Chair: Abouelela A. Mohamed	
11 : 00 - 11 : 20	<u>El-Tahir Idris</u> The use of resistivity imaging and seismic refraction for the assessment of Zamzam Groundwater Potential, Holy Mosque Expansion site Mecca, Saudi Arabia
11 : 20 - 11 : 40	Mohamed, N.E., Kheiralla, K.M. and <u>Abdelgalil, M.Y.</u> Derived Hydraulic Parameters from Surface Geoelectrical Measurements in Bara Basin, Sudan
11 : 40 - 12 : 00	<u>Sultan A.</u> , Tharwat H., Adel M. and Mohamed A. Geophysical Investigations for Shallow subsurface geotechnical Problems for Eastern Part of 15 th May City, Cairo, Egypt
12 : 00 - 12 : 20	<u>Khalid M.</u> , Mohammed, A. Ali, Mohamed Y. Abdelgalil, Nuha E. Mohamed and Georgios B. Integrated ERT and Magnetic Surveys in A Miniralization Zone in Erkowit-Red Sea State, Sudan.
12 : 20 - 12 : 40	<u>Awad A. Omran</u> and Nabil M. Al-Areeq Joint Geophysical and Geochemical Evaluation of Source Rocks in Sayun-Masila Basin, Yemen
12 : 40 – 2: 00	Dhuhr Prayer + Lunch

Chair: Abdul Rahim Samsudin	
2 : 00 - 2 : 20	<u>El-Khadragy, A. A. and Saada, S. A.</u> An Integrated Study of Gravity and Magnetic Data on West El-Minya Area, Western Desert, Egypt
2 : 20 - 2 : 40	<u>Bellalem, F., Bounif, M.A. and Koulakov, I.</u> Tomographic Imaging of P and S-wave velocity structure beneath the Cheliff Basin, Algeria
2 : 40 - 3 : 00	<u>Habib, R. Alloul, B. and Belhai, D.</u> Establishing Correlations between the P-Wave Velocity and Density – Porosity for the Principal Limestones of Northern Algeria.
3 : 00 - 3 : 20	<u>Fat-Helbary, R., Abdel-Latif, A., Alaa Mostafa, Arafa, M.S.</u> Local Site Effects Estimated from Ambient Vibration Measurements at the Nubian Habitations area in Kurkur, Aswan, Egypt
3 : 20 - 3 : 40	<u>Kafafy, A., Abdel-All, E., Abdeldayem, A., Mostafa, R., El-Hemaly, I.A., Oda, H. and Ahmed, F.M.</u> Paleomagnetism of Early Cretaceous Rocks from Mishbeh Ring Complex, Southeastern Desert, Egypt
3 : 40 – 4 : 00	Break & Asr Prayer



Thursday, May 14

Afternoon Session

Chairs: Samir Bouaziz	
4 : 00 - 4 : 20	Bounif, M. ; Boudella, A. ; Bouhmadouche, F. ; Dehbi, N. ; Farhi, W. and Guettouche, M. Study of salinity of Sabkha by electrical modeling
4 : 20 - 4 : 40	Abdul Rahim S. ; Wan Z. ; Sharil ; Nazri S. and Mohd Noor Electrical Resistivity Imaging (ERT) of Hydrocarbon Contaminated soil of Malaysia
4 : 40 - 5 : 00	Alrasheed Warage Seismotectonics of Central Sudan
5 : 00 - 5 : 20	Marzouk, I. ; Khalil, A. and Maamoun, Sh. Seismicity and Seismotectonics of Central Egypt
5 : 20 - 5 : 40	Khaled H. Zahran Tectonic Settings and Neo-tectonics of the Arabian Peninsula as Deduced from Satellite Altimeter and Gravity Data



Ladies Section (Hall 26)

Wednesday, May 13

Morning Session

Chairs: Asma B. Mousa & Esmat Abd Elaal

08 : 30 - 8 : 50	<u>Sonia L.</u> , Randa A., Rania H., Marilyn S., Emmanuel J. & Mounir M. Mineralogy and geochemistry of alteration products of NeogeneHawaiites of Moktaa El Hadid (Nefza northern Tunisia)
8 : 50 - 9 : 10	<u>Hassan, S. M.</u> & Sultan A. Identification of massive sulphide mineralized alteration zones using multispectral remote sensing data, South Eastern Desert, Egypt
9 : 10 - 9 : 30	<u>Latifa Al- Naimi</u> & Elsayed Fergany Septic Systems and Potential Environmental Hazards of Ruler Area in Qatar
9 : 30 - 9 : 50	<u>Abdallah R.</u> , Medhioub M.; Hatira N.; Chaftar R., Yans J. & Jamoussi,F. Effect of volcanism and hydrothermal fluids in the Triassic of the Ouedbelif structure (Nefza, northern Tunisia)
9 : 50 - 10 : 10	LudyaH., Nana S., Emi S., <u>MurniS.*</u> , DwiMenurS. & SukardanT. Active Fault influences Landslide zonation in the Northern Part of Cimanuk drainage basin
10 : 10 - 10 : 30	<u>Ramadan, F.</u> , El Khadragy, A., Gadallah, M.M. & Afify, W.M. Evaluation of thickness variation and reservoir parameters of Upper Cretaceous sediments in October Oil Field, Gulf of Suez, Egypt
10 : 30 – 11: 00	Coffee Break

Wednesday, May 13

Morning Session

Chairs: Latifa Al-Naimi & Nada El Tahir	
11 : 00 - 11 : 20	<u>Asma B.</u> , <u>Abdelaziz M.</u> , <u>Bouabid M.</u> , <u>Ahmed M.</u> and <u>Said M.</u> New Geodynamic model of the Volubilis and the Prerifains Ridge, Northwest of Morocco
11 : 20 - 11 : 40	<u>Brahmi, M.</u> ; <u>Inouble, M.</u> ; <u>Drissi, N.</u> ; <u>Nejmaoui, M.</u> ; <u>Boudegga, M.</u> and <u>Nasr, I.</u> A reservoir Characterization using seismic Attributes: Case study Ashtart Reservoir in the Gulf of Gabes, Tunisia
11 : 40 - 12 : 00	<u>El-Kenawy, A.</u> ; <u>Mohamed, A.</u> ; <u>El-Eraki, M.</u> and <u>Mustafa, Sh.</u> Extracting the structural model from ambient vibration recordings and shallow seismic refraction techniques of Zagazing City, Egypt
12 : 00 - 12 : 20	<u>Noor Zamzarina S.</u> , <u>Umar, H.</u> and <u>Abdu Rahim S.</u> 3-D seismic Geomorphology of Fluvial systems of the Pleistocene-Recent in the northeast Malay Basin.
12 : 20 - 12 : 40	<u>Nur Zulfa Abdul Kalid</u> , <u>Umar H.</u> and <u>Abdul Rahim S.</u> Seismic Attributes and their application in faults interpretation of Kupe Field, Taranaki basin, New Zealand
12 : 40 – 02: 00	Dhuhr Prayer & Lunch



Thursday, May 14

Afternoon Session

Chairs : Imen Hamdi & Murni Sulastrri	
2 : 00 - 2 : 20	Nada El Tahir, Andrew N., Jordi J. and Raymond D. Crustal Structure of the Khartoum Basin, Sudan
2 : 20 - 2 : 40	Moustafa, R.; Khashaba, A.; El-Hemaly, I.; Odah, H.; Takla, E. and AbdElaal, E. Paleomagnetism of Abu Aggag and Sabaya Formations at South Western Desert of Egypt
2 : 40 - 3 : 00	Nadia Hanim Shafie, Umar H. and Abdul Rahim S. Application of 3D Euler Deconvolution in the Analysis of Gravity Data of Cheshire Basin, Northwest England
3 : 00 – 4 : 00	Break & Asr Prayer



Poster Session: Exhibition Area

No.	Subject
1	El-Kenawy, A.; Massoud, U.; <u>Ragab, E.</u> and El-Kosery, M. Impact of the Probable infiltration from the wastewater ponds on the water quality of Pleistocene aquifer using 2D electrical resistivity tomography of El-Sadat City
2	Malik M. Fahad Cellular Signal Distribution Through Spatial Visualization
3	Fergany, E. and <u>Omar, K.</u> Liquefaction Potential of Nile Delta, Egypt
4	<u>Mohammed, E.K.</u>; Hassoup, A.; Helal, A.; Shokry, M. and Toni M. Source mechanism and parameters of the Egyptian passive continental margin earthquake, 19 th October 2012.



5	<u>Mohamed, G. A.; Othman, A.A.; El-Hady, Sh. and Fergany, E.</u> Simulation of Ground motion using the Stochastic method in MersaAlam region, Red Sea, Egypt.
6	<u>Issawy, E.; Mrlina, J. and Radwan, A.H.</u> Relation between 4D Gravity studies and seismic hazards of Egypt: Case studies Aswan and Greater Cairo areas.
7	<u>Toni, M.; Barth, A.; Ali, S.M. and Wenzel, F.</u> Moment Tensor Inversion and source Parameters for the 1 st June 2013, Gulf of Suez earthquake, Egypt.
8	<u>Khedr, F.; Marzouk, I. and Elrayess, M.</u> Estimation of site effect using Horizontal to Vertical Spectral Ratio technique in the Nile Delta, Egypt
9	<u>Twin Hosea W. Kristyanto, Dicky Muslim and Zakaria, Z.</u> Seismic Bearing Capacity of Education area, Jatinangor, Indonesia





10	<u>Boukri, M.; Farsi, M.N.; Mebarki, A. and Belazougui, M.</u> Rapid Earthquake loss assessment model for Algerian building context
11	<u>Yassin, K.; Mula, A.; Mohamed, A.A. and Babiker, I.</u> Dynamic properties of soil for Atbara area using shallow seismic refraction method
12	<u>Mohamed S. and Almadani, S.</u> Hydrochemical evaluation of Riyadh water Stations and their Recharge wells for drinking and domestic Purposes
13	<u>Jafri, M.K.; Lashin, A.; Ibrahim, E.; Naeem, M.; Khan, F. and Ahmed, N.</u> Reservoir quality evaluation using Petrophysics and seismic Inversion: A case study of Teapot Dome Field, Powder River Basin, Wyoming, USA





14	<u>Khan, F.; Asim, S.; Naeem, M.; Hussain, F.; Ahmed, A. and Jafri, M.K.</u> Structural Analysis of Khangarh Block by Seismic and Well Log Data
15	<u>Mahbub, R. and Benyamin Sapiie</u> Normal fault in bedded limestone-analysis of the fault core Zone: Small outcrop Scale
16	<u>Ali, S. H. and Abdullatif, O.</u> High-Resolution Stratigraphic Architecture and Sedimentological Heterogeneity within the Miocene Dam Formation, Eastern Province of Saudi Arabia
17	<u>Jabir, M. and Abdullatif, O.</u> Artificial Intelligence based approach towards accurate Facies Determination: A case of Late Cretaceous Upper Bentiu member of northwest Muglad basin





18	<p><u>Ahmed, N.; Khan, F.; Naeem, M. and Jafri, M.K.</u> Lithofacies and outcrop analysis of mixed silici-clastic carbonate of Permian Amb Formation, Pakistan</p>
19	<p><u>Naeem, M.; El-Araby, H.; Khalil, M.; Jafri, M.K.; Khan, F. and Ahmed, N.</u> Petrophysics and seismic for hydrocarbon prospectivity analysis of Lower Goru Formation of Lower Indus Basin, Pakistan</p>
20	<p><u>Abdulmutalib, A. and Abdullatif, O.</u> Depositional and Diagenetic controls on Acoustic properties of Tight Carbonates of Upper Jurassic Arab-D Member and Upper Jubaila Formation outcrops, Central Saudi Arabia</p>
21	<p><u>Mohammed, L. and Kassem, O.</u> Geology and Geochemistry of Al-Amar area, eastern Arabian Shield, Saudi Arabia</p>





22	<p><u>Alanazi, A.</u> Seismic and geoelectric study of the basaltic sequence in the south of Al-Madinah Al-Monawarah, Saudi Arabia</p>
23	<p><u>Aldamegh, K.; Alanezi, G.; Kasahara, J.; Al Yousef, K.; Lafouza, O.; Almalki, F. and Kubota, R.</u> Observation of Continuous change of waveforms with time during two month observation according to the Pumping of water in Saudi Arabia using the Ultra-stable seismic source (ACROSS)</p>
24	<p><u>ArRajehi, A.; Fadli, B.; Moslimani, B.; Reillinger, R.; King, B.; Hering, M.; Flotd, S.; McClushkyl, I.; Rougy, R.; Motairi, A.; Gahtani, H. and Ghamdi, H.</u> Enhancing geodetic expertise at KACST to mitigate the effects of natural hazards in the Kingdom of Saudi Arabia</p>
25	<p><u>Al Qarni, M. and Al Okla, S.</u> Lower and Middle Jurassic Microfacies and their subsurface characteristics in central and eastern Saudi Arabia</p>





26	<u>Al Asmari, A.; Mogren, S.; Lashin, A.; Hussein, M. and Al Fouzan, F.</u> 3D Modeling of Wajid Formation using Gravity, Aeromagnetic and well Logs data
27	<u>AbdAltawab, M.; Abdullatif, O. and Bashri, M.</u> Carbonate Diagenesis of Miocene Dam Formation. An Outcrop Approach-Al-Lidam area, eastern Region, Saudi Arabia.
28	<u>Lawal, T. Banaja, H.; Dogan, M. and Dogan, A. U.</u> Structural Computation of Major Clay Mineral Groups
29	<u>Abbas, M.A.; Dogan, M. and Dogan, A.U.</u> Structural Computation for Pyroxene Group Minerals





30	<u>Khaled, M.; Abdelrahman, K.; El-Bagy, E. and Abo Makarem, A</u> Ground motion vibration assessment using experimental techniques, Cairo, Egypt.
31	<u>El-Hady, S.; Sabtan, A. and Rehman, F.</u> Seismic Hazard and ground motion characterization at the Bathan Diversion Dam, Al-Madinah Al-Munawarah, Saudi Arabia
32	<u>ImrannUllah* & Shahab Pervez</u> Structural and stratigraphy of Mirpur Azad Kashmir NW Himalayas Pakistan
33	<u>Ismail, A.</u> Seismicity of the 1992 recent damage earthquake in Egypt.





34	<u>Shater, A. A.</u> Joint Hypocenter Determination along the Gulf of Aqaba
35	<u>Moustafa, S.; Aldamegh, K.; Al Fouzan, F. and Amin, E.</u> Correlation of frequency-magnitude measurements in tectonic and induced areas at Saudi Arabia and Egypt.
36	<u>Mohamed, H. H.</u> Preliminary Indicators for earthquake prediction study in Aswan Reservoir area.
37	<u>El-Amin, E. and Moustafa, S.</u> Source Parameters of November 7, 2010 earthquake, Aswan, Egypt





38	<p><u>Hassib, G. H.</u> Abu Diwa Fault, a tectonic active fault triggered by water diffusion from Lake Nasser, Aswan, Egypt.</p>
39	<p><u>Farag, K.S. and Helal, A.M.</u> A Joint use of multi-frequency VLF-EM and Electromagnetic Terrain Conductivity Meter Surveying techniques to characterize soil and Bedrock conditions at El-Mostakbal City, New Cairo District, Egypt.</p>
40	<p><u>Deebes, H.A.; AbdElaal, E.; Arafa, T.; El-laathey, A.; ElMam, E. and Odah, H. H.</u> The Egyptian Geomagnetic Reference Field to the Epoch 2010.0</p>
41	<p><u>Selim, E.I.</u> The Integration of Seismic, Gravity and magnetic data in delineating the sedimentary basins of Northern Sinai and deducing their structural controls</p>



42	<u>Alhaj, A. and Mudhhi, H.</u> Geotechnical investigation of Namar Dam site using GPR and Seismic Tomography techniques, Riyadh area, Saudi Arabia
43	<u>Boudella, A.; Guettouche, M. S.; Abtout, A.; Hamai, L.; Benaissa, Z. and OuAbdallah, B.M.</u> Gravimetric study of the eastern part of the Mitidja basin, Algeria
44	<u>Kaled, M.; Abdelrahman, K. and Khattab, M.</u> Geological complexity of Helwan Limestone Quarry
45	<u>Imran, H.A.; Parvez, S. and Munir, B. A.</u> Climate change impact assessments of a selected area of Himalaya Glaciars of Pakistan using RS and GIS



46	<p><u>Ghazala, H. H. and Wilson, P.</u> Detailed Gradiometer and 2D Geoelectric Surveys at Tell Mutbis Archaeological Site, Kafer El-Sheikh Governorate, Egypt</p>
47	<p><u>Nasri, S.; Megdiche, M. and Gargouri, M.</u> Electrical Conduction and Dielectric Properties of a newly synthesized Single Phase of $Ag_{0.4}Na_{0.6}FeP_2O_7$</p>
48	<p><u>Mariam Achour, Ramdhan Benassi and Chokri Jallouli</u> New Insights on the Salt Structure of Hedhil Area from Geophysical and Geological Data</p>



