

SCIENTIFIC PROGRAM

25th Colloquium of African Geology (CAG25)



“Earth Sciences for Improving Livelihood in Africa”

Julius Nyerere International Convention Centre (JNICC), Tanzania
14th – 16th August 2014

The CAG25 is organized by the Tanzania YES National Chapter and Tanzania Geological Survey in partnership with the Ministry of Mineral and Energy of the United Republic of Tanzania, on behalf of the Geological Society of Africa. The theme of CAG25 is “**Earth Sciences for improving Livelihood in Africa**”.

For this colloquium 219 abstracts (155 for oral presentations and 64 for posters) are submitted from participants coming from 42 countries representing all continents. These abstracts will be presented in eight sessions under six major themes, which include: 1) Geoscience for society (10 abstracts); 2) Geology and mineral resources (84); 3) Environment, Hydrogeology and Climate change (35 abstracts); 4) Energy resources (31); 5) Tectonics-geohazards (29); 6) Geoinformatics applications for earth sciences (30). These abstracts are compiled in the abstracts volume.

In addition, there are three plenary lectures, one for each day dealing with the following topics:

- 1) Mineral resources and African development: prospects, opportunities and challenges;
- 2) Energy resources and African development: Prospects, opportunities and challenges; and
- 3) Climate change impacts and adaptive capacity in Africa: water and food security, and human development.

Apart from the lectures and poster presentations, eight workshops dealing with 1) moving Africa forward; 2) Geoheritage: a tool for local sustainable development in Africa; 3) Governance of Solar Geo-engineering Research-African perspectives and engagement; 4) Organization of African Geological Surveys (OAGS) – EuroGeosurveys (EGS) workshop; 5) IUGS-COGE-GEO-ERA and Geoscience education in Africa; 6) Geoethics-state of the Art and Global Challenges in Africa; 7) Geoscience Information in Africa; and 8) Regional development centers in support of the minerals’ sector of Africa will be conducted. Pre_Colloquium excursions dealing with 1) the Pan-African Orogeny (Dar es Salaam-Dodoma Route); and 2) the Neogene continental rifting volcanism and Pan African high-grade metamorphism (Dar es Salaam – Arusha Route) will take place.

CAG25 GENERAL PROGRAM (14-16 AUGUST, 2014)

10-13 August	Wednesday, August, 13	Thursday, August, 14	Friday, August, 15	Saturday, August 16	
11-13 AUGUST 3 rd YES CONGRESS 10-13- AUGUST PRE-CAG25 EXCURSIONS	10.00 – 17.00 ARRIVAL/REGISTRATION	EXHIBITIONS 8:30-18:00			
		8:30-10:00 ARRIVAL/REGISTRATION/ COFFEE	8:30-9:00 PLENARY SESSION	8:30-9:00 PLENARY SESSION	9:00-12:00 GSAF GENERAL ASSEMBLY (BIDDING FOR CAG26)
		10:00-12:00 OPENING CEREMONY <i>Venue: Main Hall JNICC</i>	10:30-11:00 COFFEE BREAK	10:30-11:00 COFFEE BREAK	
		12:00-12:30 PLENARY SESSION	11:00-13:00 SCIENTIFIC PROGRAM FIVE PARALLEL SESSIONS	11:00-13:00 SCIENTIFIC PROGRAM FIVE PARALLEL SESSIONS	
		12:30-13:30 LUNCH BREAK	13:00-14:00 LUNCH BREAK	13:00-14:00 LUNCH BREAK	
		13:30-15:00 SCIENTIFIC PROGRAM FIVE PARALLEL SESSIONS	14:00-15:00 SCIENTIFIC PROGRAM FIVE PARALLEL SESSIONS	14:00-15:00 SCIENTIFIC PROGRAM FIVE PARALLEL SESSIONS	
		15:00-16:00 COFFEE BREAK/ POSTER SESSION	15:00-16:00 COFFEE BREAK/ POSTER SESSION	15:00-16:00 COFFEE BREAK/ POSTER SESSION	15:00-18:00 TGS GENERAL MEETING
		16:00-19:00 WORKSHOPS, SHORT TRAINING, ROUNDTABLE AND BUSINESS MEETINGS	16:00-19:00 WORKSHOPS, SHORT TRAINING, ROUNDTABLE AND BUSINESS MEETINGS	16:00-18:00 WORKSHOPS, SHORT TRAINING, ROUNDTABLE AND BUSINESS MEETINGS	
		19:30 – 21.30 ICEBREAKER/RECEPTION		19:00-24:00 CLOSING CEREMONY AND DINNER <i>Venue: Serena Hotel</i>	

Program of Oral and Poster Sessions

Planary Lectures: Chair: Prof. Aberra Mogessie and Prof. Abdul Mruma

Date/Time	Venue	Speaker	Planary Title
Thursday, August 14 / 12:00-12:30	Ruah Plenary Hall	Prof. Mark Jessell	MINERAL RESOURCES AND AFRICAN DEVELOPMENT: PROSPECTS, OPPORTUNITIES, AND CHALLENGES
Friday, August 15 / 8:30-9:00	Ruah Plenary Hall	Prof. Mosto Onuoha	ENERGY RESOURCES AND AFRICAN DEVELOPMENT: PROSPECTS, OPPORTUNITIES, AND CHALLENGES
Saturday, August 16 / 8:30-9:00	Ruah Plenary Hall	Prof. Cheikh Bécaye Gaye	CLIMATE CHANGE IMPACTS AND ADAPTIVE CAPACITY IN AFRICA: WATER AND FOOD SECURITY, AND HUMAN DEVELOPMENT

Workshops

Date/Time	Venue	Code	Conveners (Organisers)	Title
Day 1 (14 August: 16:00-19:00 hrs)	Olduvai Gorge Room	TW1	Prof. Ezzoura Errami Dr. Monica Omulo Amel Barich Ndivhuwo Cecilia Mukosi	MOVING AFRICA FORWARD: THE AFRICAN WOMEN GEOSCIENTISTS
Day 1 (14 August: 16:00-19:00 hrs)	Bagamoyo Room	TW3	Prof. Asfawossen Asrat Cecilia Mukosi B. Gyampoh A. Parker	GOVERNANCE OF SOLAR GEO-ENGINEERING RESEARCH - AFRICAN PERSPECTIVES AND ENGAGEMENT
Day 1 (14 August: 16:00-19:00 hrs)	Mkomazi Room	TW4	Dr. Luca Demicheli Prof. Marek Graniczny	OAGS (ORGANIZATION OF AFRICAN GEOLOGICAL SURVEYS) - EGS (EUROGEOSURVEYS) WORKSHOP
Day 2 (15 August: 09:00-18:00 hrs)	Geology Department, University of Dar Es salaam	TW2	Prof. Ezzoua Errami Prof. Aberra Mogessie Prof. Asfawossen Asrat Dr. Monica Omulo Dr. Sophie Siby	GEOHERITAGE: A TOOL FOR LOCAL SUSTAINABLE DEVELOPMENT IN AFRICA
Day 2 (15 August: 16:00-19:00 hrs)	Bagamoyo Room	TW5	Prof. Jesús Martínez-Frías Prof. Lopo Vasconcelos Prof. Aberra Mogessie Dr Enas Ahmed	IUGS-COGE GEO-ERA AND GEOSCIENCE EDUCATION IN AFRICA

Program of Oral and Poster Sessions

Day 2 (16 August: 16:00-19:00 hrs)	Amboni Room	TW7	Dr. Kristine Asch Prof. Salvador Mondlane Terrence Ngole Dr Chrispin Kinabo Mesfin W. Gebremichael	GEOSCIENCE INFORMATION IN AFRICA; ORGANIZED BY THE SOUTHERN AND EASTERN AFRICAN MINERAL CENTRE (SEAMIC)
Day 3 (16 August: 16:00-18:00 hrs)	Mkomazi Room	TW6	Prof. Jesús Martínez-Frías Prof. Aberra Mogessie Prof. Lopo Vasconcelos Dr Enas Ahmed	GEOETHICS- STATE-OF-THE-ART AND GLOBAL CHALLENGES IN AFRICA
Day 3 (16 August: 16:00-18:00 hrs)	Bagamoyo Room	TW8	Mesfin W. Gebremichael	REGIONAL DEVELOPMENT CENTRE IN SUPPORT OF THE MINERALS SECTOR OF AFRICA; ORGANIZED BY THE SOUTHERN AND EASTERN AFRICAN MINERAL CENTRE (SEAMIC)

Meetings

Day 2 (15 August: 16:00-19:00 hrs)	Earth Science Matters and NFP
Day 3 (16 August: 09:00-12:00 hrs)	GSaf GENERAL ASSEMBLY (BIDDING FOR CAG26)
Day 3 (16 August: 15:00-18:00 hrs)	TGS GENERALMEETING

Program of Oral and Poster Sessions

Thursday, August 14: CAG25 Day 1

10:00-12:00 (Main Hall) OPENING CEREMONY

12:00-12:30 (Main Hall) Penary Talk by Prof. Mark Jessell: Mineral Resources and African Development: Prospects, Opportunities, and Challenges

12:30-13:30 LUNCH BREAK

Olduvai Gorge Room

S1: Geoscience for Society.
Chairs: B. D. Odhiambo,
and E. Nickless

Mikumi Hall

**S2: Geology Mineral
Deposits and Ore Forming
processes.** Chairs: S. Many
and A.S Macheyeke

Bagamoyo Room

**S3: Environment,
Hydrogeology and Climate
Change.** Chairs: Edwin M.
Igence and Fatoba J.O

Mkomazi Room

S4: Energy Resources.
Chairs: A. K. Rutaiwa,
and E. Kolly and
Olugbenga A. BOBOYE

13:30-14:00	Edmund Nickless GEOLOGY FOR SOCIETY	13:30-14:00	A. Barth et al. THE NEW MINEROGENIC MAP OF TANZANIA – AN INTEGRAL PART OF THE GEOLOGICAL AND MINERAL INFORMATION SYSTEM OF THE GEOLOGICAL SURVEY OF TANZANIA	13:30-14:00	Adil Elkrail et al. NUMERICAL SIMULATION OF GROUNDWATER AT WADI EL HADU – EAST NILE, KHARTOUM STATE, SUDAN	13:30-14:00	Andrea Friese et al. GEOTHERM PROGRAMME – INSAR, STRUCTURAL ANALYSES AND DATING OF PAKA VOLCANIC PRODUCTS, NORTHERN KENYA RIFT
14:00-14:15	Albert. Aidan. Balati: THE PARADOX OF INVESTMENTS IN THE EXTRACTIVE INDUSTRIES IN AFRICA (A Geo- Scientific Study Of Poverty and Underdevelopment In Africa)	14:00-14:15	Aberra Mogessie et al. MECHANISMS OF CU-NI AND PLATINUM GROUP ELEMENTS DISTRIBUTION IN THE DULUTH COMPLEX, MINNESOTA, U. S. A	14:00-14:15	Biruk Teshome Desta HYDROGEOCHEMICAL EVOLUTION OF GROUND WATER ALONG THE BUTAJIRA-ZIWAY TRANSECT, CENTRAL MAIN ETHIOPIAN RIFT	14:00-14:15	Adabanija, M. A et al. INVESTIGATION OF RESERVOIR COMPARTMENTALIZATION, AQUIFER HETEROGENEITY AND TILTED OIL-WATER CONTACT IN NEMBE CREEK, COASTAL SWAMP NIGER DELTA NIGERIA
14:15-14:30	Adinan Juma: GEOPHAGY AMONG PREGNANT WOMEN: MAGNITUDE AND ITS HEALTH IMPACT	14:15-14:30	Abraham, N et al. GEOPHYSICAL MAPPING OF GEOLOGICAL STRUCTURES AS POTENTIAL SITE FOR GOLD MINERALIZATION AT GOLDEN PRIDE NZEGA GREENSTONE BELT TABORA SOUTH OF LAKE VICTORIA TANZANIA	14:15-14:30	Edwin M. Igence et al. TREND ANALYSIS OF RAINFALL BY MANN-KENDALL TEST AND SEN'S SLOPES ESTIMATES-A CASE STUDY TO ASSESS CLIMATE CHANGE ON SELECTED STATIONS IN TANZANIA	14:15-14:30	Augustina K. Rutaiwa ASSESSMENT OF COAL QUALITY AND WASHABILITY CHARACTERISTICS OF THE COAL SEAMS IN THE SONGWE-KIWIRA (KIWIRA COAL MINE) AND NGAKA COALFIELDS (MBALAWALA) –SW TANZANIA

Program of Oral and Poster Sessions

14:30-14:45	John D Kalimenze: THE GLOBAL NATIONAL SITUATION RELATED WITH GEOLOGICAL HERITAGES AND GEOPARK POSSIBILITIES IN TANZANIA	14:30-14:45	Athanas S. Macheye et al. ELEMENT CHARACTERIZATION IN THE NAMTUMBO AREA, SOUTHERN TANZANIA: IMPLICATION FOR URANIUM PROVENANCE AND GEOCHEMICAL EXPLORATION	14:30-14:45	Elhag A.B et al. A STUDY ON THE HYDROGEOLOGICAL CHARACTERISTICS AND THE HYDROCHEMISTRY EVOLUTION OF THE UM RUWABA BASIN: NORTH KORDOFAN STATE, SUDAN	14:30-14:45	Awad B. Ibrahim et al. JURASSIC/CRETACEOUS BOUNDARY IN SONGO SONGO WELLS, OFFSHORE COASTAL BASIN, TANZANIA: PALYNOLOGICAL AND PHYTOGEOGRAPHIC IMPLICATIONS
14:45-15:00	Mohammed Alhifi: ROLE OF ARHAB GEO-PARK IN CONSERVATION OF HERITAGE AND CULTURE IN YEMEN	14:45-15:00	Basem Zoheir et al. AURIFEROUS POST-ACCRETIONARY STRUCTURES IN THE WADI ALLAQI DISTRICT, SE EGYPT	14:45-15:00	Fatoba J.O et al. USING GEOELECTRIC SOUNDINGS FOR ESTIMATION OF HYDRAULIC CHARACTERISTICS OF AQUIFERS IN THE COASTAL AREA OF LAGOS, SOUTHWESTERN NIGERIA.	14:45-15:00	Olugbenga A. BOBOYE et al. BIOSTRATIGRAPHIC, GEOCHEMICAL AND PETROGRAPHIC STUDY OF PALAEOCENE AND EOCENE ROCKS, SOUTHWESTERN NIGERIA

15:00-16:00 Coffee Break Poster Presentations

16:00-19:00 WORKSHOPS, SHORT TRAINING, ROUNDTABLE AND BUSINESS MEETINGS

Program of Oral and Poster Sessions

Friday, August, 15: CAG25 Day 2

8:30-9:00 (Main Hall) Penary Talk by Prof. Mosto Onuoha: Energy Resources and African Development: Prospects, Opportunities, and Challenges

Olduvai Gorge Room		Mikumi Hall		Bagamoyo Room		Mkomazi Room		Amboni Room	
S1: Geoscience for Society. Chairs: B. D. Odhiambo, and E. Nickless		S2: Geology Mineral Deposits and Ore Forming processes. Chairs: S. Many and A.S Macheyeke		S3: Environment, Hydrogeology and Climate Change: Chairs: Edwin M. Igege and Fatoba J.O		S4: Energy Resources. Chairs: A. K. Rutaihwa, and E. Kolly and Olugbenga A. BOBOYE		S5: Tectonics and Geohazards: IGCP-601 working group: Chairs: Damien Delvaux and Paulina Amponsah	
9:00-9:30	Beneah D. Odhiambo: MAPPING AND ASSESSING ENVIRONMENTAL AND HEALTH IMPACTS AROUND VITENGENI LEAD-ZINC ABANDONED MINE IN COASTAL KENYA	9:00-9:30	Shukrani Manya FORMATION OF NEOARCHAEOAN GREENSTONE BELTS AT CONVERGENT MARGINS: A CASE OF TANZANIA CRATON	9:00-9:30	Gebremedhin Berhane et al. ENGINEERING GEOLOGICAL AND GEO-HYDROLOGICAL CHARACTERIZATION OF TWO MICRO-DAM RESERVOIRS (MDRS) USING ELECTRICAL RESISTIVITY SURVEY IN NORTHERN ETHIOPIA, EAST AFRICA	9:00-9:30	Bulo Cristopher INTEGRATED RESERVOIR CHARACTERIZATION FOR IMPROVED RESERVOIR MANAGEMENT	9:00-9:30	Mustapha Meghraoui et al. SEISMOTECTONIC FEATURES OF THE AFRICAN PLATE: THE POSSIBLE DISLOCATION OF A CONTINENT
9:30-9:45	Nkere Buliba et al. PETROGRAPHY, FINITE STRAIN QUANTIFICATION, MINING POTENTIAL OF NAGARWA SECTOR/WALUNGU (DRC)	9:30-9:45	A. Barth et al. IMPLEMENTATION OF THE GEOLOGICAL AND MINERAL INFORMATION SYSTEM AT THE GEOLOGICAL SURVEY OF TANZANIA	9:30-9:45	Gizachew Kabite et al. MULTI CRITERIA DECISION ANALYSIS BASED SOLID WASTE LANDFILL SITE SELECTION IN THE CASE OF ADDIS ABABA CITY,	9:30-9:45	Cassy Mtelela et al. FACIES ANALYSIS AND DEPOSITIONAL ENVIRONMENTS OF THE LATE TERTIARY LAKE BEDS SUCCESSION OF THE RUKWA	9:30-9:45	Mohamed ElGabry et al. TOWARDS NEO-DETERMINISTIC SEISMIC HAZARD ASSESSMENT FOR EAST AFRICA
9:45-10:00	Olatunji, A.S. and Isiaq, R. R. et al. GEO-ENVIRONMENTAL ASSESSMENT OF IMPACT OF URBANIZATION ON METAL CONTENTS OF SOILS, DUSTS AND SEDIMENTS IN OYO TOWN, NIGERIA	9:45-10:00	Christopher Hatton MELTING AT THE MOHO DURING PETROGENESIS OF PLATINUM DEPOSITS IN THE BUSHVELD COMPLEX, SOUTH AFRICA	9:45-10:00	Hudson H. Nkotagu. GROUNDWATER RECHARGE ESTIMATES AND SALINIZATION MECHANISM IN A SEMI -ARID FRACTURED AQUIFER SYSTEM OF INLAND SUB BASINS OF CENTRAL TANZANIA	9:45-10:00	Bulent Acma AS AN ENERGY OPTIONS: WATER RESOURCES DEVELOPMENT IN TURKEY	9:45-10:00	Paulina Amponsah et al. MONITORING EARTHQUAKE ACTIVITY IN GHANA: A REVIEW
10:00-10:15	Olatunji, A.S. et al. GEOCHEMICAL EVALUATION OF CULTIVATED WETLAND SEDIMENT IN LAGOS METROPOLIS AND POSSIBLE HEALTH IMPLICATION	10:00-10:15	GH. Kotnise et al. A COMPARATIVE STUDY ON THE OCCURRENCE OF GOLD DEPOSITS IN SOUTHERN PART OF KOLAR SCHIST BELT, INDIA WITH LUPA GOLD FIELD DEPOSITS OF WESTERN TANZANIA	10:00-10:15	I.M. Akaegb Obi et al. GEOCHEMICAL CHARACTERIZATION AND ORGANIC POLLUTANT EVALUATION OF SHALLOW LAGOONAL SEDIMENTS OF THE EPE SEGMENT OF LAGOS LAGOON	10:00-10:15	Olugbenga A. BOBOYE et al. RESERVOIR CHARACTERIZATION AND ESTIMATION OF OJ-FIELD, ONSHORE NIGER DELTA, NIGERIA: USING 3D- SEISMIC AND WELL LOG DATA	10:00-10:15	Rui Fernandes et al. RELATIVE TECTONIC MOTIONS OF THE AFRICAN CONTINENT

Program of Oral and Poster Sessions

10:15-10:30		10:15-10:30	<p>A. Knobloch et al. DETAILED SURVEYS OF MINERAL POTENTIAL AREAS RECENTLY IDENTIFIED IN RWANDA – PERSPECTIVES FOR NATIONAL DEVELOPMENT</p>	10:15-10:30	<p>J. N. Jabbo et al. ELECTRICAL RESISTIVITY AND HYDROGEOCHEMICAL STUDIES OF SOME SELECTED HAND DUG WELLS AND A BOREHOLE IN NORTH WESTERN PARTS OF BAUCHI METROPOLIS, NIGERIA</p>	10:15-10:30	<p>Izuchukwu M. Akaegbobi et al. DEPOSITIONAL ENVIRONMENT AS A MAJOR CONTROL ON THE RESERVOIR CHARACTERS: A CASE OF TWO WELLS, GX1 AND GX2 WELLS LOCATED AT OFFSHORE AND DEEP OFFSHORE OF NIGER DELTA</p>	10:15-10:30	<p>Vunganai Midzi et al. THE SEISMOTECTONICS AND SEISMIC HAZARD OF SOUTHERN AFRICA</p>
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10:30-11:00 Coffee Break

Olduvai Gorge Room

S6: Geoinformatics applications for Earth Science: Chairs Elisante E. Mshiu and Emmanuel Chirenje

11:00-11:15	<p>Adeolu Aderoju et al. SOFTWARE EFFICACY: A COMPARISON BETWEEN SOFTWARE AND MANUAL ANALYSES OF A SEISMIC REFRACTION DATA FROM THE SEWAGE SITE OF OBAFEMI AWOLowo UNIVERSITY, ILE – IFE, NIGERIA</p>
11:15-11:30	<p>Abigail Enyonam Ayikweil et al. GEOPHYSICAL ANALYSIS OF THE BUI BELT; THE CONSTRAINTS OF CONDUCTIVITY OF THE BELT USING AN EM INVERSION TECHNIQUE AND ITS IMPLICATIONS</p>

Mikumi Hall

S2: Geology Mineral Deposits and Ore Forming processes. Chairs: Johannes Henckel and John D Kalimenze

11:00-11:15	<p>Halleluya Naantu Ekanjo THE GEOCHEMISTRY OF THE BASE METALS MINERALISATION IN OKONDAURIE, OPUWO, NAMIBIA</p>
11:15-11:30	<p>Ifeanyi Oha et al. STRUCTURAL FRAMEWORK AND FAVOURABILITY MAPPING OF LEAD-ZINC-BARIUM POTENTIALS IN THE SOUTHERN BENUE TROUGH, NIGERIA: AN INTEGRATED STUDY</p>

Bagamoyo Room

S3: Environment, Hydrogeology and Climate Change. Chairs: Mengnjo Jude Wirmvem and Nadia Khelif

11:00-11:15	<p>M. L. Renjith et al. IN SITU EVIDENCE FOR PHOSPHORITE CONCRETIONS GROWN AT THE SEDIMENT-WATER INTERFACE: WESTERN INDIAN CONTINENTAL SHELF EDGE (OFF PORBANDAR).</p>
11:15-11:30	<p>Mavlyanov Gani Narimonovich DEVELOPMENT OF A METHODOLOGY CHANGE THE SORPTION PROPERTIES OF LOESS MATERIAL TO PROTECT GROUNDWATER FROM AGRICULTURAL POLLUTION</p>

Mkomazi Room

S4: Energy Resources. Chairs: Josephine Ushona and Cassy Mtelela

11:00-11:15	<p>Jennifer E Agbetsoamedo et al. ISOTOPIC COMPOSITION OF SIDERITE AS AN INDICATOR OF DEPOSITIONAL ENVIRONMENT OF THE TAKORADI SHALE FORMATION, SW GHANA. Oral</p>
11:15-11:30	<p>Josephine Ushona and Ralph Muyamba THE STATE OF OIL AND GAS IN NAMIBIA: FOCUSING ON EXPLORATION AND BENEFITS</p>

Amboni Room

S5: Tectonics and Geohazards: IGCP-601 working group. Chairs: Damien Delvaux and Paulina Amponsah

11:00-11:15	<p>Jean-Luc A. Mondon et al. TECTONIC AND BASIN EVOLUTION OF THE SEYCHELLES MICROCONTINENT DURING THE MESOZOIC TO CENOZOIC</p>
11:15-11:30	<p>François Kervyn1 et al. ASSESSING THE GLOBAL GEOLOGICAL RISK IN THE KIVU BASIN REGION: THE NECESSITY OF A GLOBAL APPROACH</p>

Program of Oral and Poster Sessions

11:30-11:45	<p>Baratoux et al. π-REGS – PORTABLE INSTRUMENTS FOR REGOLITH STUDIES – FIRST TESTS AND RESULTS IN THE WA-LAWRA, BOLE-NANGODI, SEFWI AND BUI BELTS, GHANA</p>
11:45-12:00	<p>Delali Dagodzo HYDROTHERMAL ALTERATION INTERPRETATION OF LANDSAT AND ASTER DATA FOR MINERAL DETECTION IN THE EASTERN PART OF THE NORTHERN REGION OF GHANA)</p>
12:00-12:15	<p>Elisante Elisaimon Mshiu et al. A NEW APPROACH IN DETECTING HYDROTHERMAL MINERAL ALTERATIONS USING REMOTE SENSING SATELLITE DATA: A CASE STUDY FROM LAKE VICTORIA GOLDFIELDS, TANZANIA</p>
12:15-12:30	<p>Emmanuel Chirenje et al. SUCCESSFUL MAPPING OF HYDROTHERMALLY ENRICHED CARBONATE BEARING FAULTS USING GEOPHYSICS CONSTRAINED BY GEOCHEMISTRY AND GEOLOGY NEAR MARBLE HALL, LIMPOPO, SOUTH AFRICA</p>
11:30-11:45	<p>Johannes Henckel et al. THE TUSKER GOLD DEPOSIT, SUKUMALAND GREENSTONE BELT, TANZANIA</p>
11:45-12:00	<p>John D Kalimenze et al. GEOLOGY AND MAGNETIC SUSCEPTIBILITY PROPERTIES OF IPOLE LITHOLOGIES IN EXPLORING FOR DIAMONDFEROUS KIMBERLITE IN IPOLE SIKONGE DISTRICT, TABORA REGION.</p>
12:00-12:15	<p>KOUAKOU Gnamin Innocent et al. HIGHLIGHTING THE GOLD MINERALIZATION BY GEOPHYSICAL METHODS IN THE " MONT TROU " GUIGLO IN THE WESTERN PART OF COTE D'IVOIRE.'</p>
12:15-12:30	<p>M.P. Mambwe et al. DEBRIS FLOW BRECCIA IN KATANGA SUPERGROUP: LITHOSTRATIGRAPHY, TECTONIC AND CU ORE DEPOSIT.</p>
11:30-11:45	<p>Mengnjo Jude Wirmvem et al. SHALLOW GROUNDWATER ORIGIN AND RECHARGE MECHANISM IN THE NDOP PLAIN, NORTH WEST CAMEROON</p>
11:45-12:00	<p>Moroofo O. Oloruntola et al. GEOPHYSICAL AND HYDROCHEMICAL EVALUATION OF GROUNDWATER RESOURCES OF IKORODU AREA, LAGOS, SW NIGERIA</p>
12:00-12:15	<p>Moshood N. TIJANI et al. HYDROGEOLOGICAL CHARACTERIZATION AND RECHARGE POTENTIAL OF WEATHERED CRYSTALLINE BASEMENT AQUIFERS OF IBARAPA AREA, SOUTHWESTERN NIGERIA</p>
12:15-12:30	<p>Nadia KHELIF et al. HYDROGEOCHEMICAL STUDY AND MAPPING OF GROUNDWATER POTENTIAL ZONES USING REMOTE SENSING AND GIS OF MOULARES-REDAYEF MINING AREA, SOUTHERN TUNISIA.</p>
11:30-11:45	<p>Lowanika Tibane et al. THE SUITABILITY OF THE ONSHORE ZULULAND BASIN FOR GEOLOGICAL CO₂ STORAGE IN SOUTH AFRICA: SEDIMENTOLOGY, MINERALOGY AND BOREHOLE CORRELATIONS</p>
11:45-12:00	<p>Mohamed Mohamed Hamid et al. STRUCTURAL AND STRATIGRAPHIC TRAP DEVELOPMENT DURING THE EVOLUTION OF THE EXTENSIONAL RIFT BASIN OF NORTH MELUT, SUDAN</p>
12:00-12:15	<p>Olugbenga A. BOBOYE et al. BIOSTRATIGRAPHIC AND PETROGRAPHIC STUDIES OF THE LATE PALAEOCENE – EOCENE SEQUENCES OF THE EASTERN DAHOMEY EMBAYMENT, SOUTHWESTERN NIGERIA</p>
12:15-12:30	<p>Brandon Landman et al. INVESTIGATION OF THE PHYSICAL, CHEMICAL, MINERALOGICAL AND MORPHOLOGICAL PROPERTIES OF THE ZULULAND BASIN SEDIMENTARY ROCKS BASED ON STUDY OF SAMPLES FROM BOREHOLES ZF 1/85 AND NZA</p>
11:30-11:45	<p>Caroline Michellier¹ et al. UNDERSTANDING AND ASSESSING GEORISKS IN CENTRAL AFRICA: A PREREQUISITE TO DESIGN EFFICIENT DECISION SUPPORT TOOLS TOWARDS A BETTER RESILIENCE</p>
11:45-12:00	<p>Damien Delvaux et al. NEOTECTONIC FAULTS AND STRESS FIELD OF THE LATE CENOZOIC EAST AFRICAN RIFT SYSTEM AROUND THE TANZANIAN CRATON</p>
12:00-12:15	<p>Alain-Pierre Tokam-Kamga et al. STRUCTURE OF THE LITHOSPHERE BENEATH CAMEROON AND IMPLICATIONS TO THE ORIGIN OF THE CAMEROON VOLCANIC LINE</p>
12:15-12:30	<p>Josphat Mulwa et al. POTENTIAL DESTRUCTIVE EARTHQUAKE FAULT ZONES IN THE EAST AFRICAN REGION: INFERENCE FROM TELESEISMIC BODY WAVE INVERSION OF THE MAY 20, 1990 M7.2 SUDAN EARTHQUAKE</p>

Program of Oral and Poster Sessions

12:30-12:45	<p>Emmanuel Titus et al. STRUCTURAL AND SEISMIC FACIES ANALYSIS OF TYTOOLZ-FIY FIELD, ONSHORE NIGER DELTA</p>	12:30-12:45	<p>Sapiance Masala Malimi et al. WORKING TOWARDS A LONG TERM FUTURE FOR THE NORTH MARA GOLD MINE –NEW GEOLOGICAL CHALLENGES IN MAKING THE TRANSITION FROM OPEN PIT TO UNDERGROUND MINING</p>	12:30-12:45	<p>Nidhi Misra et al. GASTROPODS FROM QUATERNARY FORMATIONS OF VALLARPADEM ISLAND AND NINDAKARA AZHI, KERALA, INDIA AND THEIR SIGNIFICANCE</p>	12:30-12:45	<p>Taufeeq Dhansay FRACTAL CHARACTERISATION OF THE SOUTPANSBERG FAULT NETWORK, LIMPOPO BELT, SOUTH AFRICA</p>	12:30-12:45	<p>Abdelhakim Ayadi STRESS FIELD ALONG THE MAGHREB REGION (NW AFRICA) FROM INVERSION OF FOCAL MECHANISMS</p>
12:45-13:00	<p>FATOBA J.O et al. SUBSURFACE STRUCTURES AND THE EFFECT ON FLEXIBLE PAVEMENT PERFORMANCE: THE SHAGAMU-BENIN EXPRESSWAY, SOUTHWESTERN NIGERIA, AS CASE STUDY</p>	12:45-13:00	<p>Mark Lindsay et al. UNCERTAINTY ANALYSIS OF THE ASHANTI GREENSTONE BELT AND IMPLICATIONS FOR GEOPHYSICAL INVERSION.</p>	12:45-13:00	<p>Ongezo Muzaliwa Séverin SEDIMENT YIELDS ESTIMATION AND IDENTIFICATION OF THEIR SOURCES IN LAKE TANGANYIKA BASIN</p>	12:45-13:00	<p>Toam, G. A. et al. PARAMETRIC DIAGRAMS METHOD – A WORTHY ALTERNATIVE METHOD FOR AVO</p>	12:45-13:00	<p>Bekoa Ateba et al. PRELIMINARY SEISMIC HAZARD ASSESSMENT IN WEST AND CENTRAL AFRICA BASED ON INCOMPLETE EARTHQUAKE CATALOGUES</p>

13:00-14:00 Lunch Break

<p>S6: Geoinformatics applications for Earth Science. Chairs: Olivier Dewitte and Michaela Freiet</p>		<p>S2: Geology Mineral Deposits and Ore Forming processes. Chairs Sebastian Ndile and Soha R. Hassan</p>		<p>S3: Environment, Hydrogeology and Climate Change. Chairs: Wilson Mwandira and Mafuza Maya</p>		<p>S7: Precambrian Geology: Archean Cratons. Chairs Gloria A. Senyah and Charles Kasanzu</p>	
14:00-14:15	<p>Khalid A. Elsayed Zeinelabdein et al. GEOLOGICAL MAPPING IN POORLY EXPOSED TERRAINS, NORTH KORDOFAN STATE, SUDAN THROUGH AN INTEGRATED ANALYSIS OF LANDSAT 8 OLI IMAGE AND SATELLITE GRAVITY DATA</p>	14:00-14:15	<p>Martin C. Schodlok et al. SPECTRAL CHARACTERIZATION OF CONFLICT MINERAL RELATED ROCKS AND DEPOSITS IN RWANDA, AFRICA, WITHIN THE SCOPE OF MINERAL CERTIFICATION BY THE ANALYTICAL FINGERPRINT METHOD</p>	14:00-14:15	<p>Temitope A, Laniyan. et al. ENVIRONMENTAL IMPACT OF CEMENT DUST ON SOILS AND VEGETABLES WITHIN AN URBAN CITY OF SOUTH-WESTERN NIGERIA</p>	14:00-14:15	<p>Corné Koegelenberg et al. TECTONIC WEDGING, BACK-THRUSTING AND BASIN DEVELOPMENT IN THE FRONTAL PARTS OF THE MESOPROTEROZOIC KARAGWE-ANKOLE BELT IN NW TANZANIA</p>

Program of Oral and Poster Sessions

14:15-14:30	M. A. Ali et al. APPLICATION OF GEOLOGICAL AND GEOCHEMICAL PROSPECTING METHODS FOR GOLD AND ASSOCIATED ELEMENTS IN UMM SAGATA-QALA EN NAHAL AREAS, GADARIF STATE - EASTERN SUDAN.	14:15-14:30	Olateju. O. Bayewu., et al. GEOLOGICAL, GEOTECHNICAL AND GEOPHYSICAL EVALUATION OF A QUARRY SITE IN OLUPELE-IKIRE, SOUTHWESTERN NIGERIA.	14:15-14:30	Stephen.O.Ariyo et al. HYDROGEOPHYSICAL INVESTIGATION OF GROUNDWATER POTENTIAL OF ISHARA/ODE-REMO GEOLOGICAL TRANSITION ZONE, SOUTHWESTERN NIGERIA	14:15-14:30	Shukrani Manya et al. PALAEOPROTEROZOIC VOLCANISM AND GRANITIC MAGMATISM IN THE NGUALLA AREA OF THE UBENDIAN BELT, SW TANZANIA
14:30-14:45	Martin Nyakinye THE HOMA MOUNTAIN ALKALINE COMPLEX: NEW DATA, NEW GIS IMAGES	14:30-14:45	Olatunji A.S et al. ISOLATING POSSIBLE ZONES OF MINERALISATION USING METAL GEOCHEMICAL SIGNATURE IN SOME PARTS OF BASEMENT COMPLEX OF SOUTH-WESTERN NIGERIA	14:30-14:45	Steven Jerie ENVIRONMENTAL IMPACT ASSESSMENT OF SMALL-SCALE GOLD MINING IN SHURUGWI, ZIMBABWE	14:30-14:45	Lenka Baratoux et al. NEW U-PB AGES AND GEOCHEMICAL CONSTRAINTS ON THE DOLERITIC DYKE SWARMS FROM THE LEO-MAN CRATON
14:45-15:00	Olivier Dewitte et al. LANDSLIDES IN EQUATORIAL AFRICA: IDENTIFYING CULTURALLY, TECHNICALLY AND ECONOMICALLY FEASIBLE RESILIENCE STRATEGIES	14:45-15:00	Olusola Jonhson OJO et al. GEOCHEMICAL AND MINERALOGICAL STUDIES OF KAOLINITIC CLAYS IN PARTS OF NORTH-CENTRAL AND BIDA BASIN NIGERIA	14:45-15:00	Pamela Levira CLIMATIC RISK MANAGEMENT IN RAIN-FED CROP PRODUCTION, TANZANIA	14:45-15:00	Robert Thomas et al. GEOLOGICAL MAPPING AND GEOCHRONOLOGY OF THE CENTRAL TANZANIA CRATON AND THE EAST AFRICAN OROGEN IN THE HANDENI AREA, TANZANIA: RECENT ADVANCES

15:00-16:00 Coffee Break Poster Presentations

16:00-19:00 WORKSHOPS, SHORT TRAINING, ROUNDTABLE AND BUSINESS MEETINGS

Program of Oral and Poster Sessions

Saturday August 16: CAG25 Day 3

8:30-9:00 (Main Hall) Penary Talk by Prof. Cheikh Bécaye Gaye: Climate Change Impacts and Adaptive Capacity in Africa: Water and food security, and human development

Olduvai Gorge Room

S6: Geoinformatics applications for Earth Science. Chairs: Olivier Dewitte and Michaela Frei et

Mikumi Hall

S2: Geology Mineral Deposits and Ore Forming processes. Chairs Sebastian Ndile and Soha R. Hassan

Bagamoyo Room

S3: Environment, Hydrogeology and Climate Change. Chairs: Wilson Mwandira and Mafuza Maya

Mkomazi Room

S7: Precambrian Geology: Archean Cratons. Chairs Gloria A. Senyah and Charles Kasanzu

Amboni Room

S8: Phanerozoic Geology and the East African Rift System. Merlin Gountié Dedzo and Beatrice Oghenetega Peretiemo-Clarke

9:00-9:30	Oladunjoye, M.A. et al. HIGH RESOLUTION AEROMAGNETIC DATA INTERPRETATION FOR LINEAMENTS AND IRON ORE MAPPING OF OGBOMOSO AREA, SOUTHWESTERN NIGERIA	9:00-9:30	Saimon Gerald Manyara et al. QUANTITATIVE MINERALOGY OF HIGH PURITY QUARTZ, CASE OF SPRUCE PINE NORTH CAROLINA	9:00-9:30	Temitope, A. Laniyan, et al. REMEDICATION OF ARSENIC IN WATERS (GROUND AND SURFACE) USING FILTRATION AND PHYTOREMEDIATION IN URBANIZED NIGERIAN CITY	9:00-9:30	Kabete, J.M. et al. GEOLOGY AND SHRIMP GEOCHRONOLOGY OF THE CENTRAL KIBALEAN SUPERTERRANE: IMPLICATIONS TO CONTRASTING GOLD-ENDOWMENT BETWEEN NE CONGO AND TANZANIA CRATONS	9:00-9:30	Friederike U. Bauer et al. LOW-TEMPERATURE THERMOCHRONOLOGY DATA IN EAST AFRICA: A REVIEW
9:30-9:45	Olivier Dewitte et al. LANDSLIDE IN THE NORTH TANGANYIKA - KIVU RIFT ZONES: TOWARDS A REGIONAL HAZARD ASSESSMENT	9:30-9:45	Salih Ali Salih GEOLOGY, CHARACTERISTICS AND POSSIBLE INDUSTRIAL USES OF SOME SUDANESE SEDIMENTARY KAOLINS	9:30-9:45	Wilson Mwandira and Imasiku. A. Nyambe SPATIAL VARIATIONS OF GROUNDWATER QUALITY IN THE MACHILE RIVER BASIN, SOUTH- WESTERN ZAMBIA	9:30-9:45	Gloria A. Senyah et al. GEOCHEMISTRY AND TECTONIC SETTING OF METAVOLCANIC ROCKS IN THE PALAEOPROTEROZOIC SEFWI BELT, GHANA	9:30-9:45	Naa Afi Taki et al. PETROGENESIS AND GEODYNAMIC EVOLUTION OF THE EASTERN BUEM VOLCANIC ROCKS, SOUTHEASTERN GHANA.
9:45-10:00	Michaela Frei et al. MINING RELEVANT MINERAL DETECTION BY HYPERSPECTRAL REMOTE SENSING FOR DIFFERENTIATION AND QUANTIFICATION	9:45-10:00	Samuel B. OLOBANIYI et al. CHEMICAL COMPOSITION AND ALTERATION CONDITIONS OF CHROMITE IN METAULTRAMAFIC ROCKS FROM THE EGBE-ISANLU SCHIST BELT, SOUTHWEST NIGERIA.	9:45-10:00	Yehia.L. Ismail INTEGRATED APPROACH FOR THE ESTIMATION OF WATER BUDGET OF WADI HALQ EL DABAA, WEST MERSA MATROUH, NORTHWESTERN COASTAL, EGYPT.	9:45-10:00	Helen McFarlane et al. THE STRUCTURAL AND METAMORPHIC EVOLUTION OF THE SEFWI GREENSTONE BELT, SW GHANA/SE CÔTE D'IVOIRE: PRELIMINARY FIELD RESULTS	9:45-10:00	Merlin Gountié Dedzo et al. MAPPING AND ASSESSMENT OF THE VOLCANIC HAZARDS RELATED TO THE IGIMBRITIC ERUPTION BY AMS METHOD IN BAMENDA VOLCANO

Program of Oral and Poster Sessions

10:00-10:15	<p>Prince Amadichukwu INFORMATION COMMUNICATION TECHNOLOGY (ICT) THROUGH E-LEARNING IN GEOSCIENCES DOMAIN: AN AFRICAN PERSPECTIVE</p>	10:00-10:15	<p>Sebastian Ndile and Hassan Rwetabuula USING COMPOSITION OF CARBONATE ALTERATION MINERALS AND INTENSITY OF CARBONATIZATION AS A VECTOR TO GOLD MINERALIZATION IN OROGENIC AU DEPOSITS. NYANZAGA AND OCHUNA PROJECTS, LAKE VICTORIA GOLDFIELD, TANZANIA</p>	10:00-10:15	<p>Mafuza Maya et al. THE DETERMINATION OF GEOCHEMICAL BACKGROUND LEVELS AND CONTAMINATION PATTERNS OF HEAVY METALS AROUND JOHANNESBURG, SOUTH AFRICA.</p>	10:00-10:15	<p>G.S. de Kock et al. AKANYARU-ANKOLE SUPERGROUP OF RWANDA: STRATA, STRUCTURES AND AGES</p>	10:00-10:15	<p>Beatrice Oghenetega Peretiemo-Clarke et al. MINERALOGY AND GEOCHEMISTRY OF CLAY DEPOSITS FROM THE CENOZOIC NIGER DELTA BASIN, SOUTHERN NIGERIA: IMPLICATIONS FOR CHEMICAL WEATHERING AND PALAEOCLIMATE</p>
10:15-10:30	<p>Raymond Webrah Kazapoe et al. AN INTEGRATED STRUCTURAL AND GEOPHYSICAL STUDY OF SOUTHWESTERN BOLE-NANGODI BELT, NORTHEASTERN GHANA</p>	10:15-10:30	<p>Soha R. Hassan et al. AN INTEGRATED GEOCHEMICAL-GEOPHYSICAL EXPLORATION PROGRAM OF THE UMM NARBIF MINERALIZATION FROM THE CENTRAL EASTERN DESERT OF EGYPT</p>	10:15-10:30	<p>Charles Kasanzu et al. COOLING HISTORIES OF THE ARCHAEOAN TANZANIAN CRATON, EASTERN AFRICA: USING A COMBINATION OF APATITE FISSION-TRACK AND (U-TH)/HE THERMOCHRONOMETRY.</p>	10:15-10:30	<p>Bastien Linol et al. PHANEROZOIC EPEIROGENIC HISTORY OF SOUTH-CENTRAL AFRICA, AND RAPID CENOZOIC COLLAPSE OF THE KALAHARI PLATEAU ABOVE THE CONGO BASIN: IMPLICATIONS FOR GLOBAL SEAWATER CHEMISTRY</p>	10:15-10:30	

10:30-11:00 Coffee Break

<p>S6: Geoinformatics applications for Earth Science. Chairs: Olivier Dewitte and Michaela Freiet</p>	<p>S2: Geology Mineral Deposits and Ore Forming processes. Chairs Sebastian Ndile and Soha R. Hassan</p>	<p>S7b: Precambrian Geology: Archean Cratons. Chairs Volker Schenk and Richard E. Ernest</p>	<p>S7: Precambrian Geology: Archean Cratons. Chairs Gloria A. Senyah and Charles Kasanzu</p>	<p>S8: Phanerozoic Geology and the East African Rift System. Merlin Gountié Dedzo and Beatrice Oghenetega Peretiemo-Clarke</p>
11:00-11:15	11:00-11:15	11:00-11:15	11:00-11:15	11:00-11:15
<p>Sarra Ouerghi et al. A GIS BASED DRASTIC MODEL FOR ASSESSING GROUNDWATER VULNERABILITY IN AOUSJAGHAR EL MELH AQUIFER IN NORTH-EAST OF TUNISIA.</p>	<p>Tapio Lehto et al. GEOLOGY AND GEODYNAMIC DEVELOPMENT OF UGANDA</p>	<p>Thomas, R.J et al. GEOCHRONOLOGY OF GRANITIC ROCKS FROM THE RUANGWA REGION, SOUTHERN TANZANIA – LINKS WITH NE MOZAMBIQUE AND BEYOND</p>	<p>Lenka Baratoux et al. METAMORPHIC EVOLUTION OF THE WEST AFRICAN CRATON</p>	<p>Damien Delvaux et al. TWO STAGE EVOLUTION OF THE KIVU RIFT SEGMENT IN CENTRAL AFRICA</p>

Program of Oral and Poster Sessions

11:15-11:30	<p>Kristine Asch DEVELOPING COLLABORATION ACROSS AFRICA TO SUSTAIN GROWTH: THE GEOSCIENCE INFORMATION IN AFRICA NETWORK (GIRAF) NETWORK</p>
11:30-11:45	<p>Baratoux et al. GEOLOGY OPEN ONLINE COURSES – WEST AFRICA (GEOLOOC-WA)</p>
11:45-12:00	<p>Khalid A. Elsayed Zeinelabdein et al. THE USE OF LANDSAT 8 OLI IMAGE FOR THE DELINEATION OF GOSSANIC RIDGES IN THE RED SEA HILLS OF NE SUDAN</p>
12:00-12:15	<p>Sarra Ouerghi et al. A GIS BASED DRASTIC MODEL FOR ASSESSING GROUNDWATER VULNERABILITY IN AOUSJAGHAR EL MELH AQUIFER IN NORTH-EAST OF TUNISIA.</p>
11:15-11:30	<p>Vusumuzi Lupahla GEOLOGICAL MAPPING- A BEST PRACTICE FOR UNDERSTANDING ARCHAEOAN SHEAR HOSTED GOLD DEPOSITS-BULYANHULU GOLD MINE CASE STUDY</p>
11:30-11:45	<p>Wondafrash Mammo Ghebre APATITE, MAGNETITE-ILMENITE MINERALIZATION HOSTED IN GABBRO INTRUSIVE BODY, IMPLICATION TO EAST AFRICA ZONE</p>
11:45-12:00	<p>Zié Ouattara et al. PETROGRAPHY AND LITHOSTRATIGRAPHY OF THE BONIKRO GOLD DEPOSIT, FETTÉKRO GREENSTONE BELT, CÔTE D'IVOIRE.</p>
12:00-12:15	<p>Tarameli T. Mnjokava PREPARATION AND USES OF IN-HOUSE REFERENCE MATERIALS AT GEOLOGICAL SURVEY OF TANZANIA</p>
11:15-11:30	<p>Richard E. Ernst et al. 1790 MA DYKE SWARM IN SOUTHWEST NIGER (WEST AFRICAN CRATON):PART OF A REGIONAL LIP THAT EXTENDS INTO FORMERLY ATTACHED AMAZONIA AND SARMATIA</p>
11:30-11:45	<p>Emmanuel Kazimoto et al. NEOARCHEAN TO PALEOPROTEROZOIC CRUSTAL EVOLUTION IN THE UBENDIAN BELT (TANZANIA)</p>
11:45-12:00	<p>Wladyslaw Altermann IMPRINTS OF ARCHAEOAN RAINDROPS, HAIL AND VOLCANIC LAPILLI IN THE VENTERSDORP SUPERGROUP, SOUTH AFRICA</p>
12:00-12:15	<p>Abdul Mruma et al. EVIDENCE FOR A C. 1775 MA LARGE IGNEOUS PROVINCE (LIP) IN THE TANZANIAN CRATON</p>
11:15-11:30	<p>Olateju , O. Bayewu et al. PETROGRAPHIC AND GEOTECHNICAL PROPERTIES OF LATERITIC SOILS DEVELOPED OVER DIFFERENT PARENT ROCKS IN AGO-IWOYE AREA, SOUTHWESTERN NIGERIA.</p>
11:30-11:45	<p>Zibisani Bagai and Thebeyame Ron Chaoka NEOARCHAEOAN INTRAPLATE MAGMATISM MARKING PLATE COLLISION IN THE LIMPOPO BELT, NORTHERN MARGIN OF THE KAAPVAAL CRATON: GEOCHEMICAL EVIDENCE FROM THE GABORONE RAPA KIVI GRANITE</p>
11:45-12:00	<p>F. Moses et al. THE GRANITIC CORE OF THE TANZANIA CRATON IN THE SINGIDA AREA</p>
12:00-12:15	<p>G.S. de Kock et al. TIMING OF TECTONISM: SHRIMP DATES ON DAMARA GRANITES, NAMIBIA</p>
11:15-11:30	<p>Friederike U. Bauer et al. THERMAL HISTORY MODELING IN THE ALBERTINE RIFT, UNRAVELING TECTONIC AND EROSIONAL PROCESSES OF THE RWENZORI MTNS</p>
11:30-11:45	<p>Richard W. Ferdinand THE IMPACTS OF THE DECEMBER 5TH, 2005, MAGNITUDE 6.8 LAKE TANGANYIKA EARTHQUAKE</p>
11:45-12:00	<p>Asfaw Erbello et al. TIMING OF VOLCANISM AND INITIATION OF RIFTING IN OMO-TURKANA DEPRESSION, SOUTHWESTERN ETHIOPIA: EVIDENCE FROM PALEOMAGNETISM</p>
12:00-12:15	<p>Nikolai Bagdassarov et al. ELECTRICAL CONDUCTIVITY OF ROCKS BENEATH OLDINOYO LENGAI VOLCANO</p>

Program of Oral and Poster Sessions

12:15-12:30	Vaclav Metelka et al. IM4DC OPEN DATA TO ATTRACT EXPLORATION INVESTMENT IN CENTRAL AFRICA	12:15-12:30	Giles Abuara Azia ELECTRICAL RESISTIVITY AND INDUCED POLARIZATION SURVEY FOR GOLD-BEARING QUARTZ VEINS IN THE BELIKOMBONE PROSPECT, EASTERN CAMEROON	12:15-12:30	Sylvain Block et al. PETROLOGICAL, GEOCHRONOLOGICAL AND STRUCTURAL CONSTRAINTS ON LOWER CRUST EXHUMATION DURING PALEOPROTEROZOIC (BIRIMIAN) OROGENY, NW GHANA, WEST AFRICAN CRATON. IMPLICATIONS FOR THE GEODYNAMICS OF PALEOPROTEROZOIC OROGENS.	12:15-12:30	Renjith M. L. EVIDENCE FOR MULTIPLE MAGMA PROCESSES IN SYENITE PETROGENESIS: YELAGIRI ALKALINE COMPLEX, SOUTH INDIA.	12:15-12:30	Naa Afi Taki et al. PETROGENESIS AND GEODYNAMIC EVOLUTION OF THE EASTERN BUEM VOLCANIC ROCKS, SOUTHEASTERN GHANA.
12:30-12:45	Abigail Mutambu OPTIMIZATION OF MOBILE ANTENNA LOCATION USING GIS TECHNIQUES IN NANDI COUNTY, KENYA	12:30-12:45	Ibrahim A. A. Babikir et al. SEDIMENTOLOGICAL INVESTIGATION OF THE UPPER CRETACEOUS SHENDI FORMATION, ATBARA BASIN, CENTRAL SUDAN	12:30-12:45	Shreya Karmakar and Volker Schenk NATURE AND TIMING OF NEOPROTEROZOIC METAMORPHIC EVENTS IN NE AFRICA: EXAMPLES FROM THE CENTER (UWEINAT) AND THE EASTERN MARGIN (BAYUDA, SABALOKA) OF THE EAST SAHARA GHOST CRATON	12:30-12:45	M.L. Kipata et al. KINEMATIC PATTERN OF LUFILIAN SALT TECTONICS, LATE-TO POST-OROGENIC EXTENSION AND INVERSION	12:30-12:45	Msabi, M.M et al. THE UPDATED AND EXTENDED HOMOGENEOUS EARTHQUAKE CATALOGUE FOR NORTHERN TANZANIA DIVERGENCE AND ADJACENT AREAS SINCE 1955 TO 2011
12:45-13:00	Mark Jessell et al. CHALLENGES IN BUILDING 3D GEOLOGICAL MODELS, EXAMPLES FROM WEST AFRICA	12:45-13:00	Elisante Elisaimon Mshiu et al. IDENTIFYING HYDROTHERMAL FLUID CONDUITS USING REMOTE SENSING DATA: ANOTHER VECTOR IN THE EXPLORATION OF PRECIOUS METALS	12:45-13:00	Confidence Muzerengi et al GEOLOGY AND GOLD EXPLORATION IN THE GIYANI GREENSTONE BELT; CASE STUDIES AT BLACK MOUNTAIN AND WEST-59 PROSPECTS				

13:00-14:00 Lunch Break

15:00-16:00 Coffee Break Poster Presentations

16:00-19:00 WORKSHOPS, SHORT TRAINING, ROUNDTABLE AND BUSINESS MEETINGS

Program of Oral and Poster Sessions

Thursday, August 14: CAG25 Day 1: POSTER PRESENTATIONS

Theme 2: Geology and Mineral Resources

1	Abigail Wamunyu et al GEOLOGICAL SETTING, GEOCHEMISTRY, AND GENESIS OF TSAVORITE DEPOSITS ASSOCIATED WITH GRAPHITIC GNEISSES IN THE DAVIS MINE, MWATATE (TAITA TAVETA REGION, KENYA)
2	Akintola, A.I et al COMPOSITIONAL FEATURES OF PRECAMBRIAN PEGMATITES OF AGO-IWOYE AREA SOUTH WESTERN, NIGERIA
3	Bastien Linol et al U-Pb DETRITAL ZIRCON DATES AND SOURCE PROVENANCES ANALYSIS OF PHANEROZOIC SEQUENCES OF THE CONGO BASIN
4	Clauter Fils TCHATO et al PETROGRAPHY, CHEMISTRY MINERALOGY, GEOCHEMISTRY AND GEODYNAMIC SETTING OF ITITIN-NDIKINIMEKI AMPHIBOLITES (CENTRE-CAMEROON)
5	Fezaa, N. et al ORIGIN OF THE MURZUKIAN (LATE PAN-AFRICAN) MANKHOUR VOLCANISM IN THE DJANET TERRANE (EASTERN HOGGAR, SAHARAN METACRATON, ALGERIA)
6	Matubila, M.S et al INVESTIGATING THE HIGHER THERMAL CHARACTERS OF THE LATE MINERAL PHASES AT TONDO CU-CO DEPOSIT
7	Mayara Fraeda Barbosa Teixeira1 et al GEOLOGY, PETROGRAPHY AND GEOCHEMISTRY OF THE ARCHEAN COLORADO TRONDHJEMITE-TONALITE (TT) AND PANTANAL LEUCOGRANODIORITE OF THE SAPUCAIA DOMAIN, CARAJÁS PROVINCE, NORTHERN BRAZIL: PETROGENETIC IMPLICATIONS
8	Merlin Gountié Dedzo et al GEOCHEMISTRY AND PETROLOGY OF MIOCENE IGNIMBRITES OF MOUNT BAMBOUTO (WEST-CAMEROON, CAMEROON VOLCANIC LINE)
9	Nasrrddine Youbi et al TOWARDS A COMPLETE MAGMATIC ‘BARCODE’ FOR THE NORTHERN PART OF THE WEST AFRICAN CRATON, MOROCCO: BADDELEYITE AND ZIRCON U-PB DATING OF REGIONAL DOLERITE DYKE SWARMS AND SILL COMPLEXES
10	O. Kolli et al THE BARITE PROVINCE OF THE SOUTH-WESTERN ALGERIA: THE Ba (Pb, CU) MINERALIZATION OF THE OUGARTA RANGE AND BOU KAIS-TIBALICINE MASSIF
11	Olateju , O. Bayewu et al PETROGRAPHIC AND GEOTECHNICAL PROPERTIES OF LATERITIC SOILS DEVELOPED OVER DIFFERENT PARENT ROCKS IN AGO-IWOYE AREA, SOUTHWESTERN NIGERIA
12	Olateju. O. Bayewu., et al GEOLOGICAL, GEOTECHNICAL AND GEOPHYSICAL EVALUATION OF A QUARRY SITE IN OLUPELE-IKIRE, SOUTHWESTERN NIGERIA
13	Olusegun .G. Olisa et al GEOCHEMICAL EVALUATION OF IJEBU-ODE ENVIRONMENT, SOUTHWESTERN NIGERIA
14	P.L. Fantozzi et al STRUCTURAL-PETROGRAPHICAL INSIGHTS IN THE KONGWA-MPWAPWA REGION AND SURROUNDINGS, CENTRAL TANZANIA

Program of Oral and Poster Sessions

15	Tcheumenak Kouémo J. et al CHRONOLOGIC RELATIONSHIP BETWEEN THE COOLING OF THE FOMOPÉA AND BANDJA PLUTON AND THE DEXTRAL MOTION PHASE OF THE FODJOMEKWET-FOTOUNI SHEAR ZONE
16	Ulf Söderlund et al A MAJOR ARCHEAN (2688 Ma) DYKE SWARM DISCOVERED IN THE WESTERN REGUIBAT SHIELD, WEST AFRICAN CRATON, MOROCCO
17	Veronika Tenczer et al $^{40}\text{Ar}/^{39}\text{Ar}$ THERMOCHRONOLOGY ACROSS THE EAST AFRICAN OROGEN IN CENTRAL TANZANIA
18	Vidal Max et al THE "NASSIAN-OUAGADOUGOU DOME": AN EARLY STAGE OF EBURNEAN CRUSTAL GROWTH (2.2 Ga TO 2 Ga) ACCORDING TO HOT OROGENIC MODEL
19	Vidal Max et al NEW PROJECTS OF CIFEG: OPEN ARCHIVE OF CIFEG PUBLICATIONS AND REACTIVATION OF THE JOURNAL PANGEA
20	Warda El Moume et al A CIMP AGE FOR AN EXTENSION OF THE GREAT FOUM ZGUID DYKE LOCATED SW OF IMITER SILVER MINE (MOROCCO)
21	Warren Miller FIELD MAPPING AND TECTONOSTRATIGRAPHY OF THE BASEMENT OF THE CAPE FOLD BELT, WEST OF PORT ELIZABETH, SOUTH AFRICA
22	Yanick Brice LEMDJOU et al PETROGRAPHIC CHARACTERIZATION OF IRON INDICES OF THE TERTIARY ANOROGENIC COMPLEX OF BANA (CAMEROON VOLCANIC LINE)
23	Zakaria Hamimi et al APPLICATION OF KINEMATIC VORTICITY TECHNIQUES FOR MYLONITIZED ROCKS OF AL-AMAR SUTURE, EASTERN ARABIAN SHIELD, SAUDI ARABIA

Program of Oral and Poster Sessions

Friday, August 15: CAG25 Day 2: POSTER PRESENTATIONS

Theme 3: Environment, Hydrogeology and Climate Change

1	Aniekan Edet EVALUATION OF GROUNDWATER QUALITY BASED ON TEMPORAL, SEASONAL AND SPATIAL VARIABILITY: IMPLICATIONS FOR FOOD SECURITY IN PARTS OF SOUTHEASTERN NIGERIA
2	Bindu Lumoo Alain et al PROBLEMATIC OF THE ARTISANAL MINING EXPLOITATION AND THEIR IMPACTS ON THE ENVIRONMENT IN WALIKALE (NORTH KIVU)
3	Edwin M. Igenge A REVIEW STUDY ON ATMOSPHERIC CHEMICAL DISPERSION AND THE DEVELOPMENT OF A DISPERSION ROUTINE BASED ON TAPM
4	I.M. AKAEGB OBI et al GEOCHEMICAL CHARACTERIZATION AND ORGANIC POLLUTANT EVALUATION OF SHALLOW LAGOONAL SEDIMENTS OF THE EPE SEGMENT OF LAGOS LAGOON
5	J. Kazungu et al STATUS OF ENVIRONMENTAL SUSTAINABILITY IN RWANDA AS ONE OF THE MILLENNIUM DEVELOPMENT GOALS (MDGS)
6	Leonard Jones Chauka TANZANIA'S CORAL REEFS MAY SUCCUMB TO CURRENT TRENDS OF CLIMATE CHANGE: EVIDENCES FROM SYMBIODINIUM DIVERSITY AND DISTRIBUTION
7	Mavlyanova Sh.Z., et al IMPROVING THE ECOLOGICAL STATUS OF SOILS AND ITS IMPACT ON HUMAN HEALTH
8	Nadia KHELIF et al HYDROGEOCHEMICAL STUDY AND MAPPING OF GROUNDWATER POTENTIAL ZONES USING REMOTE SENSING AND GIS OF MOULARES-REDAYEF MINING AREA, SOUTHERN TUNISIA
9	Oula Amrouni et al MORPHO-SEDIMENTOLOGICAL ANALYSIS IN MINING POLLUTION MONITORING AND ASSESSMENT. CASE OF STUDY: HAMMAM ZRIBA LOCALITY (ZAGHOUAN, TUNISIA)
10	Sandra Villacorta et al GEOLOGICAL HAZARDS IN THE APURIMAC REGION, CENTRAL PERU: EVALUATION FROM THE CRITICAL AREAS
11	Wangare, L et al ASSESSMENT OF COMMUNITY ADAPTATION STRATEGIES TO THE IMPACTS OF CLIMATE CHANGE ON WATER AVAILABILITY
12	Wilson M Tumushabe et al SEDIMENTARY RESPONSE TO COUPLED CLIMATIC CHANGE AND ACTIVE RIFTING IN THE ON SHORE LAKE EDWARD BASIN, ALBERTINE RIFT, UGANDA
13	Wilson Mwandira SPATIAL VARIATIONS OF GROUNDWATER QUALITY IN THE MACHILE RIVER BASIN, SOUTH- WESTERN ZAMBIA

Program of Oral and Poster Sessions

Friday, August 15: CAG25 Day 2: POSTER PRESENTATIONS

Theme 4: Energy Resources

1	Bachirou Mfayakouo chavom et al SEDIMENTOLOGY, PALYNOLOGY AND PALAEOGEOGRAPHIC RECONSTRUCTION FROM CENOZOIC FORMATIONS CROPPING OUT AT THE CENTRAL PART OF DOUALA BASIN, CAMEROON
2	Delvaux, D. et al PETROLEUM SYSTEMS AND EXPLORATION: RE-APPRAISAL OF THE PETROLEUM POTENTIAL OF THE CONGO BASIN
3	Etienne Kolly et al OIL & GAS UPSTREAM OVERVIEW – EAST AFRICA: NEW ELDORADO?
4	Ibrahim A. A. Babikir et al SEDIMENTOLOGICAL INVESTIGATION OF THE UPPER CRETACEOUS SHENDI FORMATION, ATBARA BASIN, CENTRAL SUDAN
5	Lala Andrianaivo GEOTHERMAL EDUCATION FOR SUPPORTING GEOTHERMAL DEVELOPMENT IN MADAGASCAR
6	Lala Andrianaivo et al LAVAKA PHENOMENA AND LANDSLIDE HAZARD SPATIAL ANALYSIS AND PREDICTION USING GIS IN THE ANDAINGO COUNTY, CENTRAL MADAGASCAR
7	Lala Andrianaivo et al GEOTECHNOLOGY AND GEOSCIENCES: TOOLS OF HELP TO THE SUSTAINABLE LAND MANAGEMENT DECISION IN MADAGASCAR
8	Lala Andrianaivo et al GEOCHEMISTRY OF THERMAL SPRINGS OF ANTSIRABE-ITASY GEOTHERMAL PROSPECT IN CENTRAL MADAGASCAR: PRELIMINARY RESULTS
9	Prince C. Owusu Agyemang et al SEDIMENTARY PROVENANCE OF JURASSIC-CRETACEOUS STRATA IN THE KASAI-CONGO BASIN, DEMOCRATIC REPUBLIC OF CONGO
10	Subhendu Mondal ENERGY RESOURCES AND SUSTAINABLE DEVELOPMENT
11	Sunjay, Manas Banerjee et al GEOPHYSICAL PROSPECTING OF GEOTHERMAL ENERGY RESOURCES
12	Valerie Nxumalo DISTRIBUTION OF URANIUM IN THE SPRINGBOK FLATS COALFIELD, SOUTH AFRICA

Program of Oral and Poster Sessions

Saturday, August 16: CAG25 Day 3: POSTER PRESENTATIONS

Theme 5: Tectonics and Geohazards

1	Byamungu Mayange et al UNDERSTANDING AND ADAPTATION (EARTHQUAKES,VOLCANO, NATURAL RADIATIONS: THE CASE OF GOMA AND CAREER MUGARA
2	Byamungu Mayange et al GEOHAZARDS AT THE NORTH OF GOMA TOWN AND THE TECTONIC OF MUGARA CAREER
3	Damien Delvaux et al GEOLOGICAL AND TECTONIC EVOLUTION OF THE MESOPROTEROZOIC KARAGWE-ANKOLE BELT AROUND THE KIVU RIFT REGION IN CENTRAL AFRICA: DATA INTEGRATION FROM THE DRC
4	Esubalew Adem et al ANALYSIS OF THE INTER-DYKING DEFORMATION PATTERN AT THE ONGOING DABBAHU-MANDA HARARO (AFAR) RIFT, ETHIOPIA USING GPS NAD INSAR TECHNIQUES
5	Esubalew Adem et al ANALYSIS OF THE INTER-DYKING DEFORMATION PATTERN AT THE ONGOING DABBAHU-MANDA HARARO (AFAR) RIFT, ETHIOPIA USING GPS NAD INSAR TECHNIQUES
6	H.M Hassan et al TSUNAMI HAZARD ASSESSMENT OF THE NORTHERN EGYPTIAN COAST BY USING SCENARIO ANALYSIS TECHNIQUE

Theme 6: Geoinformatics Applications for Earth Sciences

1	Abigail Enyonam Ayikwei et al GEOPHYSICAL ANALYSIS OF THE BUI BELT, WESTERN GHANA
2	Anwar Hassan Radwan COMPUTATION OF THE QUASI-GEOID AROUND KILIMANJARO FROM GRAVITY-DISTURBANCES
3	Jonas M. Mwano et al HIGH-RESOLUTION AIRBORNE GEOPHYSICAL DATA INTERPRETED IN RELATIONSHIP WITH POTENTIAL MINERALISATION. A CASE STUDY IN SINGIDA AREA, SINGIDA REGION, CENTRAL TANZANIA
4	Khalid A. Elsayed Zeinelabdein et al THE USE OF LANDSAT 8 OLI IMAGE FOR THE DELINEATION OF GOSSANIC RIDGES IN THE RED SEA HILLS OF NE SUDAN
5	Martin Nyakinye THE HOMA MOUNTAIN ALKALINE COMPLEX: NEW DATA, NEW GIS IMAGES
6	Massinissa Amara et al AIRBORNE GEOPHYSICS DATA PROCESSING AND MULTISPECTRAL LANDSAT 7 ETM+ ENHANCEMENT IMAGES FOR THE AHNET TERRANE MAPPING (OCCIDENTAL HOGGAR, ALGERIA)
7	Safouane Djemai et al PRELIMINARY RESULTS OF THE USE OF LANDSAT 7 ETM+, ASTER AND ERS2-SAR DATA FOR GEOLOGICAL MAPPING OF THE TASSENDJANET TERRANE, WESTERN HOGGAR, ALGERIA
8	Sarra Ouerghi et al A GIS BASED DRASTIC MODEL FOR ASSESSING GROUNDWATER VULNERABILITY IN AOUSJA-GHAR EL MELH AQUIFER IN NORTH-EAST OF TUNISIA
9	Takfarinas Lamri et al USING MAGNETIC AND GRAVIMETRIC DATA FOR IMAGING A PRECAMBRIAN: EDEMBO TERRANE CASE (EASTERN HOGGAR)
10	Takfarinas Lamri et al CONTRIBUTION OF LANDSAT7 ETM+ AND AIRBORNE GEOPHYSICAL DATA FOR GEOLOGICAL MAPPING IN THE REGION OF EDEMBO (EASTERN HOGGAR)