Wednesday 27th September 2023

Start	End	Wednesday
08:00	09:00	
09:00 - 09:05		**PLENARY SPEAKER: Direction and timing of subduction and continental collision in the Pan-African Damara Belt of Namibia** Dr. ROY MILL MILLER Consulting Geologist & expert on the Geology, mineral deposit & groundwater in Namibia, Former Director of the Geological Survey of Namibia
09:05 - 09:10		**PLENARY SPEAKER: Africa's Critical -Strategic -Green Minerals, Distribution and Potentials: Imperatives for Value Chain Development** Prof. Gbenga Okunlola President Geological Society of Africa, Professor at Geology university of Ibadan, Nigeria
09:10 - 09:15		**PLENARY SPEAKER: UNESCO and Geosciences for 50 years for a sustainable future for our planet with a special focus in geosciences research and education in Africa** Dr. Dalvio ADRIANIAN LOPES Program Specialist Earth Sciences and Geopark Section, UNESCO Paris
09:15 - 09:20		**PLENARY SPEAKER: The International Union of Geological Sciences (IUGS) and Global Geoscience development: What options for African Geoscientists?** Dr. Stan Finney General Secretary, International Union of Geological Sciences (IUGS), Professor Emeritus, Department of Geological Sciences, California state University , USA
09:20	09:25	COFFEE BREAK

Session 1: Geology of Southern Africa and Adjacent Areas (Chair: Dr. Roy Miller)

Start	End	Presentation
09:25	09:30	**S1_Geological correlation of northern Mukorob Tin Belt and the Otjihorongo Lagoon** **TUMBELA NELUMBO**
09:30	09:35	**S1_Petrogenetic Interpretation of the Geochemistry of the Okorusu Fluorite Deposit, Namibia** **TUMBELA NELUMBO**
09:35	09:40	**S1_Preliminary Results of the Geochemistry and Petrogenesis of the Ondundu Complex, Northern Namibia** **Mr. Ndeshihafela Ndeshipunga Iyaruna, Dr. Kennedy Gomes Office Geologist Bulk Resources Namibia**
09:40	09:45	**S1_Geodynamic evolution of the Upper Proterozoic Damara Belt, Central Namibia: Petrostructural of the region** **MUHONGO EDWARD**
09:45	09:50	**S1_Geochronological evolution of the Upper Proterozoic Damara Belt, Central Namibia: Petrochronological of the region** **MUHONGO EDWARD**
09:50	09:55	**S1_APPLICATION: A continental back-arc setting for the Neoproterozoic Belt: Evidence from the Kalahari Craton, Namibia** **PEDRO B. GALLO**
09:55	10:00	**S1_Geographic Mapping programme to develop capacity and their research collaboration** **JOHN SILVERS**
10:00	10:05	**S1_Metamorphic and hydrogeochemical systems controlling Fe geology mapping: Neoproterozoic Damara Belt, Central Namibia** **CYNDIA MUCHEMA**
10:05	10:10	**S1_The long-lived Kaoko-Damara orogen of southwestern Gondwana: Insights into the evolution of the Pan-African of the S-A Wilson Neoproterozoic Orogeny, Northeast Metamorphic Province, Central Zone, Namibia** **CHANDA A. - GOODFRIDAY**
10:10	10:15	**S1_Geology of the Sekarian Valley, Namaqua Metamorphic Complex, Namibia: Geochemistry implications for regional tectonostratigraphy** **CHRISTEN MALCHAUSAN**
10:15	10:20	**S1_The Liebig Dome of the Richtersveld Magmatic Arc: another Namibia** **GERHARD BOTTERWEG**
10:20	10:25	
10:25	10:30	

Session 2: Structural Geology, Tectonics and Geophysics (Chair: Dr. Ndeshihafela Ndeshipunga Iyaruna)

Start	End	Presentation
10:30	10:35	**S2_APPLICATION: A continental back-arc setting for the Neoproterozoic Belt: Evidence from the Kalahari Craton, Namibia** **PEDRO B. GALLO**
10:35	10:40	**S2_Geological Overview of the Ondundu Mafic-Ultramafic Complex, Northeastern Namibia** **ELIAKIM NDENGA NA NDENGA**
10:40	10:45	**S2_Occurrence and Geographical Distribution of Mineral Deposits in the Ngamiland District, Botswana** **CHAUKA NOMAD PAKANG**
10:45	10:50	**S2_Mineralogical and geochemical characterization of the Ondundu Mafic-Ultramafic Complex, Northeastern Namibia** **ELIAKIM NDENGA NA NDENGA**
10:50	10:55	**S2_APPLICATION: A continental back-arc setting for the Neoproterozoic Belt: Evidence from the Kalahari Craton, Namibia** **PEDRO B. GALLO**
10:55	11:00	**S2_Airborne Geophysics Incorporation contribution for Kalahari-type Copper in the Selection Copper Belt, Namibia** **MAKITSHIENA**
11:00	11:05	**S2_Mineralogical Factors Affecting Metal Mobilization Complexation Under the Neoproterozoic Central Namibian Sedimentary Basin (Central Namibia)** **OTHNIEL MUSHIMBA - JULIUS P**
11:05	11:10	**S2_Tectonic element characteristics of the central Kaoko Belt of the Pan-African Orogen, Otjiwarongo District, Otavi Mountain Land, Namibia** **JOHN MALLAMA**
11:10	11:15	**S2_Occurrence of the Chinsamba Kaolin Deposit, Mzimba District, Northern Malawi, Zimbabwe: A potentially coarse** **CHIKANA P. MUSHIMA - MUPAPA**
11:15	11:20	**S2_Alluvial Copper-Zinc Mineralization Geological context and Occurrence Mechanism** **MBALUTO - CLIFF**
11:20	11:25	
11:25	11:30	

Session 3: Geophysics, exploration and modelling

Start	End	Presentation
11:30	11:35	**S3_APPLICATION: Mapping Kaolin Clays: Case study and Geophysical Prospecting of Kaolin Deposits in Northeastern Namibia** **MAKITSHIENA**
11:35	11:40	**S3_Differentiated Mapping of the Neoproterozoic Damara Belt Sediments: Carrots in the Kaoko Area (Western Namibia), Using Aeromagnetic and Airborne Radiometric Data** **TUMBELA NELUMBO - Mr. Ndeshihafela Ndeshipunga Iyaruna - Dr. Kennedy Gomes Office Geologist Bulk Resources Namibia**
11:40	11:45	**S3_Delineation of gold potential areas within the Neoproterozoic Damara Belt, Central Namibia: Integrated remote sensing and aeromagnetic data** **BUFU ORWAN OMARU**
11:45	11:50	**S3_Thermogeophysical Investigation of Groundwater Potential in Karst Terrain: Case Study Omaruru Delta, Central Namibia (Central Namibia)** **JOHN CHAUNY TAUANA**
11:50	11:55	**S3_Geothermal Potential and Exploration Opportunities in Central Namibia, Central Namibia** **SEBASTIAN NOMBOTAFULA**
11:55	12:00	**S3_Mapping Kaolin Clays: Carrots in Central Namibia: Integrated Prospecting Kaolin Clays in the Northeast Central Zone** **MAKITSHIENA**
12:00	12:05	**S3_Seismicity in the Northwest of Namibia: 05 January - 31 May 2012** **PAPOLI GLADYSE**
12:05	12:10	**S3_Aeromagnetic Influenced Inversion (3D)** **TITUS PAUL PAKANDA**
12:10	12:15	**S3_Interpretation of Hydrogeophysics surveys in Groundwater Exploration in Southern Namibia** **PHILEMON NAUYOMBUNA**
12:15	12:20	
12:20	12:25	

Session 4: Geochemistry and Petrology of Igneous and Metamorphic Rocks

Start	End	Presentation
12:25	12:30	**S4_APPLICATION: From pyroxenites to nemetites – Petrogenesis Genesis geophysical Investigation of the Okorusu Fluorite Deposit** **MUHONGO EDWARD**
12:30	12:35	**S4_Assessment of the South Rift compute Mineral potential in South Africa** **TUMBELA NELUMBO**
12:35	12:40	**S4_The influence of petrogenesis on tritium and radiogenic helium in groundwater from the Neoproterozoic Damara Belt** **ELIAKIM NDENGA NA NDENGA**
12:40	12:45	**S4_Risk Assessment of Abandoned Mines in Namibia** **KOLAH AFMED**
12:45	12:50	**S4_Geological Hazard Investigation using the Engineering and Environmental Geology division, Geological Survey of Namibia** **SAMUEL NAMWENA**
12:50	12:55	**S4_Review of the seismicity, aeromagnetic and earthquake characteristics of the northeast Namibia: Implications for seismic hazard assessment in the Karst and Dolomite Regions** **GOFFNAT KYALUMBUKUMA**
12:55	13:00	**S4_Geomorphological and geophysical analysis of the Kaoko Complex in northern Kunene: Implications for tectonic hazards in alaska** **MUHONGO EDWARD - LUCIANO**
13:00	13:05	**S4_Seismic and Infrasonic assessment of Africa Mining Activities: Case Study of Mining in South Africa: Implications for public health** **MUHONGO EDWARD - Conclusing**
13:05	13:10	
13:10	13:15	

Session 5: Economic Geology and Mineral Resources (Chair: Dr. Gbenga Okunlola)

Start	End	Presentation
13:15	13:20	**S5_Evaluation of rare earth through Alkaline Igneous Rocks: Implications for ground resources, Gangamo (Kilimanjaro)** **EDUARDO G. MONDAPAT**
13:20	13:25	**S5_Characteristics of Hill 63 Tantalum-Niobium Deposit, Karibib District, Namibia: Kaolin** **SAMUEL MWAUNA NAMWA**
13:25	13:30	**S5_Kaolin Potential in pulverized ash deposits in Sand Rift Francis, Damara Copper, Rockfalls or Kaolin Deposits in Central Namibia: Kaolin Kaolin and the Industry Plugged Industry** **EDUARDO MAKITSHI**
13:30	13:35	**S5_Geochemical Characterization for Mining Industry: Case Study of Kaolin Tarnis, Namibia** **GOMBAR TUTUMBUZ**
13:35	13:40	**S5_Seismicity and seismic hazard assessment in Namibia** **LAGAR ANTONIA - NAMWA**
13:40	13:45	**S5_APPLICATION: Data Analytics, Machine Learning, Artificial Intelligence and Mineral Resource Modelling and Exploration** **PITSHIBALLA NELSON**
13:45	13:50	**S5_Dealing with unpredictability is a significant challenge in exploration, drilling, work, and mining. Machine learning and artificial intelligence are being used in mining to manage unpredictability, improve efficiency, and increase productivity throughout the mining process.** **ERIC BELLEFRAGUE**
13:50	13:55	
13:55	14:00	
14:00	14:05	**COFFEE BREAK**

Session 6: Geophysical Exploration and Modelling

Start	End	Presentation
14:05	14:10	**S6_APPLICATION: The Discover Complex (Kaoko Belt): Geochemistry of carbonatites, Geochemical and petrological of Critical Minerals (Nb, Ta, Y and Ce)** **PITSHIBALLA NELSON**
14:10	14:15	**S6_Bibemba rift in Central Africa: Kaoko, Namibia** **SAM MWAUNA PENALTY**
14:15	14:20	**S6_Alluvial gold in Sub-Saharan Africa and Ghana belts of Central Africa** **ANGELA DAVID**
14:20	14:25	**S6_Field Inclusion Studies on the Namibia rare element granite pegmatite, Southern Namibia** **MAKITSHI**
14:25	14:30	
14:30	14:35	

Session 7: Geochemistry and Petrology of Igneous and Metamorphic Rocks

Start	End	Presentation
14:35	14:40	**S7_APPLICATION: The geochemical characteristics of Okorusu Fluorite Deposit, Central Namibia** **CHRISTIAN T. HAMUTENYA**
14:40	14:45	**S7_Geochemical Analysis and Physicochemical Characteristics of Okorusu River Sediment, Central Namibia** **TUMBELA NELUMBO - VICTORIA MWAU**
14:45	14:50	**S7_Regional Geochemical Mapping of the Damara belt area (Central Namibia)** **TUMBELA NELUMBO**
14:50	14:55	**S7_Implications of Standard Laboratories for Geochemical Mapping in Africa: Challenges and Opportunities – A Case Study from Kaoko Belt** **ERNEST MAUNDER**
14:55	15:00	
15:00	15:05	

Session 8: Economic Geology and Mineral Resources

Start	End	Presentation
15:05	15:10	**S8_The North industrial revolution and its impact on critical resource countries** **SYLVIA HAMUNDJERO**
15:10	15:15	**S8_APPLICATION: The new mineral management Act and its Implications: New technology for Mineral Exploration** **VICTORIA GAPUTLIWA**
15:15	15:20	**S8_Brief: cultural-environmental impact of the artisanal Africa: Okorusu and Kaoko** **ADAM - NAMWA**
15:20	15:25	**S8_Visual solutions to simplifies the "Difficult to Remove" workflow** **NAMWA**
15:25	15:30	**S8_Machine Learning Systems Imaging and Visualization** **NAMWA**
15:30	15:35	
15:35	15:40	

Session 9: Hydrogeology and Hydrogeochemistry

Start	End	Presentation
15:40	15:45	**S9_The geochronology and formation of gemstonites and gaurian within the Gaseb Pluton and its Kaoko Complex in the Damara Belt, Namibia** **PEDRO B. GALLO**
15:45	15:50	**S9_Geochemical signatures of southeast Kaokoveld, Unity Sedimentary Basin (SW Nigeria) investigated by Isotopes of a Precision Geochronology** **ADEBAYO ONI**
15:50	15:55	**S9_Occurrence of the Jungiano Formation of the Kaoko Supergroup in Africa** **ALFRED DE ABREU**
15:55	16:00	**S9_Kaoko Orogen Metallogeny and Gold Potential: Geochemical Signature of Gaseb Complexes, Gaseb Pluton, Central Sedimentary Deposits of Okorusu: Implications for Gold Potential** **MUHONGO EDWARD - GOFFNAT**
16:00	16:05	**S9_Concurrent analysis of Piezometrical measurement of Central Nigeria: Understanding the controls for resource management** **OLTUNDE - OLUWATOSIN**
16:05	16:10	**S9_Geochemical signatures and nature of the mineralization including Kaoko Complexes of the Elima pegmatites in Central Namibia: Implications for Beryllium, Lithia pegmatite field, Namibia** **MUHONGO EDWARD**
16:10	16:15	**S9_Structural, geophysical and geochemical studies for gold prospecting in Central Namibia: Kaoko Belt** **Dr. Kennedy Gomes**
16:15	16:20	**S9_Stephano deformation during exhumation of Kaoko Belt: constraints on Kaoko formation in the Central Zone of the Kaoko Belt, Namibia** **PEDRO B. GALLO**
16:20	16:25	
16:25	16:30	

Session 10: Hydrogeochemistry and Isotopes

Start	End	Presentation
16:30	16:35	**S10_Preliminary structural interpretation of high resolution airborne magnetic data in the Okorusu area** **TUMBELA NELUMBO**
16:35	16:40	**S10_Setting up a Seismic Network in central Africa** **LAGAR ANTONIA - NAMWA**
16:40	16:45	**S10_Controls and development of secondary type magnesite gold mineralization under diverse geological and hydrogeological conditions: An analytical modelling of the Tsumeb Mine, Central Namibia** **PEDRO B. GALLO**
16:45	16:50	**S10_Geoinformation Management, Implementation and Mentoring of Southern Africa Geoscientific Research** **MAKITSHIENA**
16:50	16:55	
16:55	17:00	

EXHIBITIONS