

Wednesday, September 27

Session Time (EST)	Session	Speaker	Institution	Location	Theme
12:00PM - 5:00 PM	Pre-conference Workshops (Invite Only)			Third Rock - Blue Marble - Clouds	
	Exxon Mobil Workshop			Luna	
	NEED Workshop			Mountain View/Volcano	
	Economics Workshop			Third Rock	
6:00 PM - 8:00 PM	Welcome Reception/Check-in			Rooftop Lounge and Main Lobby	

Thursday, September 28
Moderator: Kashauna Mason

7:00 - 8:00 AM	Breakfast/Check-in			Main Lobby	
8:00 - 8:15 AM	Conference Welcome and Opening Remarks	Tramond Baisden Brandon Jones	NABG/Shell AGU	Luna/Mountain/Volcano	
8:15 - 8:45 AM	Exhibitors Introductions	All Exhibitors			
8:45 - 9:00 AM	LIFE BELOW THE SEA LEVEL: CORAL REEF RESEARCH, A BENEFIT TO LIFE SUSTAINABILITY	Swazi Gurnell	Texas Southern University	Luna/Mountain/Volcano	Oral Presentations (Climate & Environmental Science)
9:00 - 9:15 AM	CAN EAST AFRICAN RIFT BASALTS SEQUESTER CO ₂ ? CASE STUDY OF THE KENYA RIFT	George Okoko	Columbia University in the City of New York		
9:15 - 9:30 AM	EMPLOYING REMOTE SENSING TECHNIQUES TO UNDERSTAND SEASONAL CHANGES IN WATER QUALITY – MUSKINGUM CONSERVATORY WATERSHED DISTRICT (MCWD)	Spencer Williams	Kent State University		
9:30 - 9:45 AM	MODELING FLUID PRESSURE PROPAGATION INTO BASEMENT ROCKS DURING MANAGED AQUIFER RECHARGE IN THE VIRGINIA COASTAL PLAIN AQUIFER	John Ogunleye	Virginia Polytechnic Institute and State University		
9:45 - 10:00 AM	QUANTIFICATION OF BIOGENIC GAS PRODUCTION BENEATH A CLAYPAN	Jordon Massey	Oklahoma State University		
10:00 - 10:10 AM	Break				
10:10 - 10:25 AM	0.34% ENTHALPY CHANGE PER YEAR FROM THE KIBIRO GEOTHERMAL PROSPECT ALONG THE ALBERTINE-RHINO GRABEN, UGANDA.	Folashade Ojo (Virtual)	Adekunle Ajasin University		

10:25 - 10:40 AM	ASSESSMENT OF RADIOLOGICAL HAZARDS OF SOIL SAMPLE AROUND A DUMPSITE IN IGBUDU AREA OF WARRI, DELTA STATE.	Joy Foluso	University of California, Davis	Luna/Mountain/Volcano	Oral Presentation (Geochemistry & Marine Science)
10:40 - 10:55 AM	ISOTOPIC TRACERS IN UNDERSTANDING GROUNDWATER CONTAMINATION:	Adeyinka Olaseinde	Federal University of Technology Akure		
10:55 - 11:10 AM	IMPACTS OF CLIMATE AND WATER CHEMISTRY ON BENTHIC FAUNA IN THE CHESAPEAKE BAY	Seyi Ajayi	Pennsylvania State University		
11:10 - 11:30 AM	Break				
11:30 AM- 12:30 PM	Brownbag Keynote Luncheon	Maria Angela Capello		Luna/Mountain/Volcano	
12:30 - 12:45 PM	Break				
12:45 - 2:00 PM	Carbon Neutral Future Panel			Luna/Mountain/Volcano	
2:00 - 2:35 PM	Beyond the Rocks - Lightning Talks			Luna/Mountain/Volcano	
2:35 - 6:00 PM	SIMULATING EARTHQUAKES USING HIGH PERFORMANCE COMPUTING	Emanuel Murphy	Fort Valley State University	Lower Level Corridor/Main Lobby, L/M/V, Lower Lobby	Geology, Geophysics & Geoscience Education
Poster Session Visit Exhibitor Booths Networking	ARTIFICIAL NEURAL NETWORK MODELS FOR RESERVOIR-AQUIFER DIMENSIONLESS VARIABLES: INFLUX AND PRESSURE PREDICTION FOR WATER INFLUX CALCULATION	Idongesit Ansa	West Virginia University		
	UNLOCKING SUBSURFACE RESERVOIR INSIGHTS: GEOSPATIAL GEOSTATISTICAL MODELING AND DATA SCIENCE APPROACH	Omodolor Hope	Case Western Reserve University		
	EXPLORING EARTHQUAKE SWARMS: A TRANSFORMATIVE SUMMER TRAINEESHIP AT FORT VALLEY STATE UNIVERSITY	Sharif Coker	Fort Valley State University		
	MAPPING OF YARDANGS SURROUNDING MEAD CRATER ON VENUS: EVIDENCE FOR MEGAYARDANGS	Wynn Avent II	Wesleyan University		
	USING HISTORICAL AND REFLECTIVE NARRATIVES TO CREATE AWARENESS ABOUT THE DEVELOPMENT OF SCIENTIFIC THEORIES	Ishaka Orr	Indiana University- Purdue University Indianapolis		
	EXPLORING GROUND-PENETRATING RADAR (GPR) APPLICATIONS FOR SUBSURFACE MAPPING AND ANALYSIS.	Raven McRae	Fort Valley State University		
	STRONG GEOSCIENTISTS AT MSIS-STRENGTHENING TRAINEESHIP AND RESEARCH OPPORTUNITIES FOR NEXT GENERATION GEOSCIENTISTS AT MSIS	Maurice Releford	Fort Valley State University		
	INCREASING DIVERSITY IN THE GEOSCIENCES THROUGH COMMUNITY PROJECTS: RESEARCHING HARMFUL ALGAL BLOOMS IN URBAN ENVIRONMENTS	Devin Moore	Tennessee State University		
PALEOECOLOGICAL RECONSTRUCTION OF SUMMIT LAKE, NEVADA USING DIATOM RECORDS	Ayowole Fifo	University of Nevada, Reno			

	GRAIN COORDINATION NUMBERS, GRANULAR TEXTURE FROM MICRO-X-RAY TOMOGRAPHY OF ANGULAR SEDIMENTS: VELOCITY PREDICTION USING HERTZ-MINDLIN THEORY	Kwabena Poku-Agyemang	Louisiana State University		
	ESTIMATING THE ELECTRICAL RESISTIVITY OF THE UPPER MANTLE WITH THE VERY BROADBAND RHEOLOGY CALCULATOR (VBRC)	Samuel Ofori	Georgia Institute of Technology		
	GEOPATHS SUMMER TRAINING PROGRAM IN STEM: A SUMMER TRAINING RESEARCH PROGRAM IN GROUND PENETRATING RADAR AT FORT VALLEY STATE UNIVERSITY	Justin Jordan	Fort Valley State University		
	GEOSCIENCES UNITED ONBOARD THE JOIDES RESOLUTION: EARTH AND OCEAN SCIENCE COLLABORATIVE LEARNING OPPORTUNITIES WITH THE INTERNATIONAL OCEAN DISCOVERY PROGRAM	Chelsea McDonald	Texas A&M University		
	2023 GEOPATHS SUMMER INTERNSHIP PROGRAM IN GEOPHYSICAL TECHNIQUES: RESISTIVITY SURVEY	Keiana Mazzio	Fort Valley State University		
	BEING STRONG IN THE GEOSCIENCES	Mieko Smith	Fort Valley State University		
	GROUNDWATER TABLES AMIDST CLIMATE CHANGE IN LOW-LYING BEAUFORT, SOUTH CAROLINA	Riliwan Damilola Abioye	University of South Carolina		
	NABG Business Meeting			Offsite	
Friday, September 29 Moderator: Richard Asirifi					
7:00 - 8:00 AM	Breakfast/Check-in			Main Lobby	
8:00 - 8:15 AM	EXPLORATION AND ANALYSIS OF A PROSPECTIVE HIDDEN GEOTHERMAL RESOURCE IN THE JERSEY SUMMIT AREA, PERSHING AND LANDER COUNTIES, NORTH-CENTRAL NEVADA	Quentin Burgess	University of Nevada	Luna/Mountain/Volcano	Oral Presentation (Geology * Geophysics)
8:15 - 8:30 AM	LABORATORY SPECTRAL ANALYSIS OF ABANDONED MINE WASTE FROM THE FORMER KATHERINE GOLD MINE, ARIZONA: MINERALOGICAL AND TEXTURAL CHARACTERISTICS WITH IMPLICATIONS FOR FUTURE REMOTE SENSING STUDIES	Bernard Hubbard	U. S. Geological Survey		
8:30 - 8:45 AM	APPLYING WAVEFORM CORRELATION ANALYSIS TO MICROSEISMICITY AT THE FORGE SITES TO DETECT AND CHARACTERIZE FRACTURES	Richard Asirifi	Texas A&M University		
8:45 - 9:00 AM	FAULT-CONTROLLED GEOTHERMAL RESOURCES OF KATWE-KIKORONGO VOLCANIC FIELD IN UGANDA	Asenath Kwagalakwe	Virginia Tech		
9:00 - 9:15 AM	SEDIMENT SORTING AND ROUNDING IN A BASALTIC GLACIO-FLUVIO-AEOLIAN ENVIRONMENT: ÞHÓRISJÖKULL GLACIER, ICELAND	Kashauna Mason	Texas A&M University		
9:15 - 9:30 AM	NSF Graduate Research Fellowship Program Overview	Wren Aye	National Science Foundation		
9:30 - 9:45 AM	Break				
9:45 AM - 11:00 AM	Environmental Justice Panel				

11:00 - 11:15 AM	PRELIMINARY RESULTS FROM THE PROGRAM EVALUATION OF GEOSCIENCE COOPERATIVE EMPLOYEE RESOURCE GROUPS	Akilah Alwan	Auburn University	Luna/Mountain/Volcano	Geoscience Education
11:15 - 11:30 AM	PSYCHOSOCIAL PREDICTORS OF STUDENT PERSISTENCE IN SCIENCE: FINDINGS OF BLACK STEM & SCIENCE EDUCATION STUDENTS IN A SUMMER INTERNSHIP PROGRAM AT A HBCU	Rheygan Reed	Fort Valley State University		
11:30 - 11:45 AM	DEVELOPING COLLABORATIVE ALLIANCES TO BRING HBCU STUDENTS TO SEA: THE STEMSEAS-HBCU PARTNERSHIP PROGRAM	Lisa White	University of California, Berkeley		
11:45 - 1:15 PM	Lunch			Offsite - on your own	
1:15 - 1:30 PM	PALEOECOLOGY AND CLIMATIC CYCLICITY IN THE KERIO VALLEY BASIN, KENYA	Opeyemi Taiwo (Virtual)	University of Aberdeen, United Kingdom		
1:30 - 1:45 PM	INFLUENCE OF MINERALOGY ON THE ELECTRICAL CONDUCTIVITY OF VOLCANIC ASH	Isaac Ogunrinde	The University of Alabama	Luna/Mountain/Volcano	Volcanology & Paleontology
1:45 - 2:00 PM	THE GREAT AND SUDDEN RISE OF MONO LAKE, CALIFORNIA 16,000 YEARS AGO	Guleed Ali	Stony Brook University		
2:00 - 2:15 PM	MORPHOLOGICAL AND PHYLOGENETIC ANALYSIS OF A PALEOGENE TYPOTHERIA FROM CACHAPOAL	Dozie Itie	Bargas		
2:15 - 2:30 PM	USAID-USGS DISASTER ASSISTANCE: BUILDING TECHNICAL CAPACITY AND REDUCING RISK THROUGH INTERNATIONAL PARTNERSHIPS	Gari Mayberry	USGS and US Agency for International Development		Disaster Risk
2:30 - 4:00 PM	EL NIÑO HYDROCLIMATIC RESPONSE TO GREENHOUSE FORCING	Mary Gbenro	University of Maryland	Lower Level Corridor	
	EARLY HOLOCENE CLIMATE AND VEGETATION ACROSS TEXAS USING OXYGEN AND CARBON ISOTOPES IN LAND SNAIL SHELLS	Wisdom Afuke	Jackson School of Geoscience		
	C-ISOTOPE CHEMOSTRATIGRAPHY AND PCO2 CALCULATIONS FROM THE CLOVERLY FORMATION IN NORTHERN WYOMING	Queen Kalu	University of Arkansas		
	A BIOMARKER RECORD OF PALEOCLIMATE AND ENVIRONMENTAL CHANGE IN TROPICAL NORTH AMERICA FROM THE SEDIMENTS OF LAKE CHALCO, MEXICO	Emeka Emordi	University of Pittsburgh		
	CONTINENTAL WEATHERING ACROSS THE END-PERMIAN MASS EXTINCTION	Joseph Mayala Nsingi	Montclair State University		
	INVESTIGATING THE RESPONSE OF BENTHIC FORAMINIFERA TO ENVIRONMENTAL CHANGES IN THE ARCTIC: IMPLICATIONS FOR CLIMATE FORECASTS	Gael Ndi, Nkwain	Texas A&M University		
	GEOMECHANICAL STRESS-FIELD ASSESSMENT FOR OFFSHORE GEOLOGIC CARBON STORAGE IN THE CENTRAL GULF OF MEXICO	Joshua Ademilola	Oklahoma State University		
	PRELIMINARY INVESTIGATION OF THE CHILEAN PATAGONIAN COMMON ERA ENVIRONMENTAL AND CLIMATIC CONDITIONS USING SCANNING X-RAY FLUORESCENCE ANALYSIS OF LATE HOLOCENE LACUSTRINE RECORDS	Godspower Ubit	University of Pittsburgh		
	RECONSTRUCTING FIRE USING MACROSCOPIC CHARCOAL ABUNDANCES IN PLIOCENE FLUVIO LACUSTRINE SEDIMENTS IN THE TERUEL BASIN, SPAIN	Maya Smith	Fort Valley State University		

Poster Session	CARBON DIOXIDE AND METHANE FLUXES IN THE YUKON-KUSKOKWIM DELTA PERMAFROST	David Davis	Rutgers University	LOWER LEVEL CORRIDOR	
	ASSESSING THE LINK BETWEEN STRUCTURAL COMPLEXITY AND MULTI-TROPHIC DIVERSITY IN FOREST ECOSYSTEMS USING REMOTE SENSING DATA	Ayanna St Rose	University of Arkansas		
	EXPRESSION OF OAE-2 IN THE WEST AFRICAN BENUE TROUGH	Sadiq Rijija	Texas A&M University		
	CHARACTERIZING MESERVE GLACIER FLOW PATTERNS THROUGH THE PROVENANCE OF MORAIN TILLS	Nadia McGlynn	Vanderbilt University		
	A ROCK VOLUMETRIC ESTIMATE OF REE BEARING UNDERCLAY DEPOSITS IN THE EASTERN MIDDLE ANTHRACITE FIELD OF LUZERNE COUNTY, PENNSYLVANIA	Harrison Spiller	University of Arkansas		
	EXPLORING MICROBIAL POPULATIONS ACROSS THE THREE DOMAINS OF LIFE IN HOT SPRINGS AT LASSEN VOLCANIC NATIONAL PARK	Makeda Mills	Texas A&M University		
	INFLUENCE OF TILE WATER ON NITRATE AND CHLORIDE CONCENTRATIONS IN THE GROUNDWATER: A CASE STUDY OF A SATURATED RIPARIAN BUFFER ZONE, MCLEAN COUNTY, CENTRAL ILLINOIS	Aminat Tosin Abdulsalam	Illinois State University		
	A PALEOENVIRONMENTAL REAPPRAISAL OF THE PENNSYLVANIAN (BASHKIRIAN-MOSCOVIAN) SOUTH BAR FORMATION AND LOWER SYDNEY MINES FORMATION OF CAPE BRETON, ATLANTIC CANADA	Oluomachi Onuoha	University of Connecticut		
	THE INFLUENCE OF MULTISCALE STREAMBED TOPOGRAPHY ON HYPORHEIC ZONE PROCESSES ALONG RIVER CORRIDORS	Adebayo Sadiq	Kent State University		
4:00 - 5:00 PM	Break				
5:00 - 6:00 PM	Happy Hour			Rooftop Lounge and Lobby	
6:00 - 7:15 PM	Keynote and Awards Reception	Keynote: Dr. Asmeret Asefaw Berhe		Luna/Mountain/Volcano	
Saturday, September 30					
7:00 - 8:00 AM	Breakfast				
8:00 - 12:00 PM	Fieldtrip: Great Falls	Mercer Parker	USGS	Great Falls (Meet in Churchill lobby)	
	Volunteer Event: Anacostia River Cleanup	Ibrahim Goodwin	EPA		