

DAY 1	TIME	PRESENTER	TITLE	THEME
Tues, 13 Sept 2022	09:00-09:20			
Session1	09:20-09:40	Mkholo Maseko	GROUNDWATER MODELLING OF LAKE SIBAYA UNDER VARIOUS LANDCOVER AND CLIMATE SCENARIOS ADVISED BY PLANT WATER SOURCE PARTITIONING USING ISOTOPEs	Aquifer parameters & characterisation
(Chair: Reynold Chow)	09:40 - 10:00	Thobeka Nsibandwe	RAINFALL-GROUNDWATER RELATIONSHIP, GROUNDWATER-SURFACE WATER RELATIONSHIP, AND GROUNDWATER DYNAMICS IN THE MAPUTLAND COASTAL PLAIN	Aquifer parameters & characterisation
	10:00 - 10:20	Ritshidze Nenweli	EVALUATING GROUNDWATER STORAGE CHANGES IN THE WESTERN CAPE USING GRACE AND MEASURED GROUNDWATER DATA	Aquifer parameters & characterisation
	10:20-10:40	Kirsten Raible	REGIONAL HYDROCHEMISTRY AND HYDROGEOLOGY OF THE GREATER TIMBAVATI AREA, MPUMALANGA	Aquifer parameters & characterisation
	10:40 - 11:10		BREAK	
Session2	11:10 - 11:30	Daniél Mulder	DELINEATION OF GROUNDWATER PROTECTION ZONES: TOWARDS A GROUNDWATER MANAGEMENT PLAN IN THE SUTHERLAND TOWN AREA.	Geophysics and drilling
Chair tbc	11:30 - 11:50	Libuseng Kolobe	APPRAISAL OF GEOPHYSICAL METHODS USED FOR GROUNDWATER EXPLORATION IN SOUTH AFRICA	Geophysics and drilling
	11:50 - 12:10	Kobus Haumann	USING FORWARD AND INVERSE MODELLING TO INVESTIGATE THE CAPABILITY OF TWO-DIMENSIONAL ELECTRICAL RESISTIVITY TOMOGRAPHY TO DETECT WATER BEARING ZONES IN THE SUBSURFACE	Geophysics and drilling
	12:10 - 12:30	Nishen Govender	EVALUATING THE RESULTS OF GEOPHYSICAL SURVEYS CONDUCTED IN THE MAIN KAROO BASIN FROM A GEOHYDROLOGICAL PERSPECTIVE	Geophysics and drilling
	12:30 - 12:40		CLOSING for the DAY	
DAY 2	TIME	PRESENTER	TITLE	THEME
Wed, 14 Sept 2022	09:00-09:20	Jared vanRooyen	Stable isotopes as a tool for improving rainfall-runoff modelling in South Africa	
Session3	09:20-09:40	Khutjo Diphofe	SURFACE WATER-GROUNDWATER INTERACTION IN AN URBANIZED CATCHMENT – JOHANNESBURG, SOUTH AFRICA	Aquifer parameters & characterisation
Chair tbc	09:40 - 10:00	Duan Swart	VERTICAL ANISOTROPY AND HYDROMECHANICAL PROPERTIES OF THE UNSATURATED SAPROLITE IN THE COMPLEX INTERMEDIATE VADOSE	Aquifer parameters & characterisation
	10:00 - 10:20	Aqeela Parker	AN INVESTIGATION OF THE NATURAL GROUNDWATER RECHARGE OF THE SALDANHA BAY AQUIFER SYSTEMS, SOUTH AFRICA	Aquifer parameters & characterisation
	10:20-10:40	Omphile Sidney Lekone	ESTIMATION OF AQUIFER HYDRAULIC PARAMETERS USING GEO-ELECTRIC METHODS IN THE DUKWI WELLFIELDS, NORTH-EASTERN SUB-DISTRICT BOTSWANA	Aquifer parameters & characterisation
	10:40 - 11:10		BREAK	
Session4	11:10 - 11:30	Amy Allwright	RESEARCH-BASED DEEP DRILLING IN THE BUSHVELD IGNEOUS COMPLEX	Aquifer management
Chair tbc	11:30 - 11:50	Clinton Andries	APPLICATION OF ANALYTICAL HIERARCHY PROCESS TO DESIGN AN OPTIMIZED GROUNDWATER MONITORING NETWORK TO DETECT POTENTIAL IMPACTS OF MANAGED AQUIFER RECHARGE	Aquifer management
	11:50 - 12:10	Rolene Lubbe	A REVIEW OF SLUG TESTS ANALYSIS ON SOUTH AFRICAN AQUIFERS IN POTENTIAL YIELD AND TRANSMISSIVITY ESTIMATIONS	Aquifer management
	12:10 - 12:30	Anton Lukas	MACHINE LEARNING APPLIED TO PUMPING TEST ANALYSIS: BREAKING THE DATA BARRIER	Aquifer management
	12:30 - 12:40		CLOSING for the DAY	
DAY 3	TIME	PRESENTER	TITLE	THEME
Thurs, 15 Sept 2022	09:00-09:20		OPENING	
Session5	09:20-09:40	Moshe Moses Kanaimba	INTRINSIC GROUNDWATER POLLUTION VULNERABILITY OF MASAMA EAST WELL FIELD, KHURUTSHE AREA, BOTSWANA	Contamination
Chair tbc	09:40 - 10:00	Erma Davies	USING PASSIVE SAMPLING TO EVALUATE AQUATIC PESTICIDE POLLUTION IN THE WESTERN CAPE, SOUTH AFRICA.	Contamination
	10:00 - 10:20	Ditiro Keitumetse Philitso	PHYSICAL PARAMETERS AND TRACE ELEMENTS OF THE BCL MINE DISCHARGE AT SELIBE PHIKWE, EASTERN BOTSWANA	Contamination
	10:20-10:40	Brynn Hunink	DEVELOPING A COST-EFFECTIVE METHOD TO DELINEATE WELHEAD PROTECTION AREAS - A STUDY IN THE CAPE FLATS	Contamination
	10:40 - 11:10		BREAK	
Session6	11:10 - 11:30	Ashleigh Tomlinson	IDENTIFYING POTENTIAL AREAS SUITABLE FOR MANAGED AQUIFER RECHARGE IN SALDANHA BAY, WESTERN CAPE	Groundwater sustainability
Chair tbc	11:30 - 11:50	Abongile Xaza	USING SEAWATER FRACTION AND HYDROGEOCHEMISTRY TOOLS TO INVESTIGATE SEAWATER INTRUSION, HELUNGNES, CAPE AGULHAS, SOUTH AFRICA	Groundwater sustainability
	11:50 - 12:10	Nicolette Vermaak	UNDERSTANDING THE BLACK BOX OF THE MAR INFILTRATION PROCESS	Groundwater sustainability
	12:10 - 12:30	Michael Holloway	HYDROGEOLOGICAL CONTROLS & MANAGED AQUIFER RECHARGE IN THE GREATER KRUGER NATIONAL PARK, LIMPOPO	Groundwater sustainability
	12:30 - 13:00		CLOSING for the DAY	

Contact: Organiser: Confetal - deidre@iafrica.com

For more information please view the website <https://iah.org.za/iah-sa-virtual-conference-13-to-15-september-2022/>

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