

1st Graduate Symposium on Sustainable Concrete and Structures in Nigeria

Abeokuta, Nigeria

28 – 30 October, 2021



PROGRAMME OF EVENT

Organizers



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1st Graduates Symposium on Sustainable Concrete and Structures in Nigeria

PROGRAMME AT A GLANCE

Abeokuta, Nigeria

28 – 30 October, 2021

Day One	Thursday, 28th October, 2021
14:00	Arrival of Participants
14:00 – 15:00	Opening
15:00 – 16:30	First Session
16:30 – 18:30	Visit to Historic Olumo Rock
Day Two	Friday, 29th October, 2021
9:00 – 11:00	Second Session
11:00 – 12:45	Third Session
12:45 – 14:30	Lunch/Break
14:30 – 16:00	Fourth Session
16:00 – 17:30	Fifth Session
Day Three	Saturday, 30th October, 2021
9:00 – 10:00	Sixth Session
10:00 – 12:00	Excursion to Olusegun Obasanjo Presidential Library
12:00	Departure

Day One: Thursday, 28th October, 2021

Opening (14:00 – 15:00 GMT+1)

Chair: Dr. Kolawole Olonade University of Lagos, Nigeria

TIME			SPEAKER	TITLE
Nigeria	Germany	Italy		
14:00	15:00	15:00	Kolawole Olonade University of Lagos, Nigeria	Housekeep
14:10	15:10	15:10	Wolfram Schmidt BAM, Germany	Welcome from BAM, Germany
14:30	15:30	15:30	Kolawole Olonade University of Lagos, Nigeria	Welcome from UNILAG, Nigeria
14:45	15:45	15:45	Wolfram Schmidt BAM, Germany	Introduction of Local-Care Project
15:00	16:00	16:00	Closing	

First Session (15:00 – 16:30 GMT+1)

Chair: Dr. Wolfram Schmidt, BAM, Germany

TIME			SPEAKER	TITLE
Nigeria	Germany	Italy/ZA		
15:00	16:00	16:00	Wasiu Ajagbe University of Ibadan, Nigeria	Utilization of waste ashes in concrete as cement supplement: The Nigerian experience
15:20	16:20	15:20	Abdulmalik Ismail University of Alabama, USA	Integrating coated microencapsulated phase change material into concrete using cenospheres
15:35	16:35	15:40	FASASI-ALESHINLOYE, Abidat Lead City University, Nigeria	Application of corn stalk ash as a pozzolanic material in the production of sandcrete blocks
15:50	16:50	16:00	Braimah J.I University of Ibadan, Nigeira	Shear performance of bamboo reinforced self-compacting concrete beams (BRSCC) with stirrups
16:05	17:05	17:30	Discussion	
16:30	17:30	17:30	Closing	

Excursion One (16:30 – 18:00 GMT+1)

TIME			EVENT	VENUE
Nigeria	Germany	Italy/ZA		
16:30	17:30	17:30	Excursion	Visit to Historic Olumo Rock

Day Two: Friday, 29th October, 2021

Second Session (09:00 – 10:50 GMT+1)

Chair: Dr. Wasiu Ajagbe

University of Ibadan, Nigeria

TIME			SPEAKER	TITLE
Nigeria	Germany	Italy/ZA		
09:00	10:00	10:00	Funmi Alayaki Fed. Univ. of Agric. Nigeria	Investigation of the influence of cow dung ash as filler and polyethylene terephthalate as bitumen replacement in asphalt concrete
09:20	10:20	10:20	Ayoola Adekitan Moshood Abiola Poly, Nigeria	Engineering Properties of Blended Calcined Clay-Cement Sandcrete Blocks
09:35	10:35	10:35	Afolayan, Abayomi Federal Polytechnic, Ede	Reliability-based analysis of reinforced concrete columns produced from selected cementitious materials
09:50	10:50	10:50	Ismail Yahya University of Benin, Nigeria	Performance evaluation of metakaolin based geopolymer concrete as prestressed concrete sleepers
10:05	11:05	11:05	Johnson Adegaye The Federal University of Technology, Akure	Effectiveness of rice husk and sugarcane bagasse ashes blended cement in strength, permeability and sorptivity resistance of concrete
10:20	11:20	11:20	Discussion	
10:50	11:50	11:50	Tea Break	

Third Session (11:00 – 12:45 GMT+1)

Chair: Dr. Funmi Alayaki

Federal University of Agriculture, Abeokuta, Nigeria

TIME			SPEAKER	TITLE
Nigeria	Germany	Italy/ZA		
11:00	12:00	12:00	Shi Zhenguo Heideberger Cement	Understanding the CemGem modelling software
11:30	12:30	12:30	Akin Akindahunsi Obafemi Awolowo Univ. Nig.	Durability of concrete structures: a peek into the future and understanding of retrofitting
11:45	12:45	12:45	Banjo Olorunshola University of Ibadan, Nigeria	Properties of pervious concrete mix designs influencing infiltration rate and performance
12:00	13:00	13:00	Nafisah Akinniyi University of Lagos, Nigeria	Carbonation of concrete cured under different conditions
12:15	13:15	13:15	Discussion	
12:45	13:45	13:45	Break/Lunch	

Fourth Session (14:30 – 16:00 GMT+1)

Chair: Dr. Akin Akindahunsi Obafemi Awolowo University, Nigeria

TIME			SPEAKER	TITLE
Nigeria	Germany	Italy/ZA		
14:30	15:30	15:30	Daniela Ciancio RILEM, Italy	Introducing RILEM
14:50	15:50	15:50	Wolfram Schmidt BAM, Germany	Selection criteria for superplasticizer to achieve tailored rheology
15:05	16:05	16:05	Fatai IBIKUNLE University of Ibadan, Nigeria	Application of waste tyre rubber in precast concrete vehicular parapet
15:20	16:20	16:20	Taofiq BELLO NBRRI, Ota, Nigeria	Evaluating alkali activated coconut shell ash as binder in mortar
15:35	16:34	16:34	Mustapha B. Jaji Stellenbosch University, South Africa.	3Dimensional concrete printing: a novel and emerging construction method
15:50	16:50	16:50	Discussion	
16:20	17:00	17:00	Tea Break	

Fifth Session (09:00 – 10:30 GMT+1)

Chair: Dr. Adekitan Moshood Abiola Polytechnic, Nigeria

TIME			SPEAKER	TITLE
Nigeria	Germany	Italy/ZA		
16:30	17:30	17:30	Modupe Amusan Olabisi Onabanjo Univ. Nig.	
16:50	17:50	17:50	Ojo Oluwatobi University of Lagos, Nigeria	Strength and flow characteristics of brickwaste cement ultra-high-performance mortar
17:05	18:05	18:05	Adelasoye O. J Federal University of Agriculture, Abeokuta	Effect of sulphate attack on concrete with admixtures
17:20	18:20	18:20	Olugbenga Babajide Soyemi Federal Polytechnic Ilaro,	Engineering sustainability of crushed-fine glass as partial substitute of fine aggregate in the production of concrete
17:35	18:35	18:35	Olutunde Caleb Oluwadamilare University of Lagos, Nigeria	Effect of superplasticizer on strength and flow properties of mortar containing cassava peel ash
17:50	18:50	18:50	Discussion	
18:20	19:20	19:20	Closing	

Day 3: Saturday, 30th October, 2021

Sixth Session (09:00 – 10:00 GMT+1)

Chair: Dr. Kolawole Olonade University of Lagos, Nigeria

TIME			SPEAKER	TITLE
Nigeria	Germany	Italy		
09:00	10:00	10:00	Joanitta Ndawula University of Cape Town SA	Introducing RILEM Youth Council
09:20	10:20	10:20	Kolawole Olonade UNILAG, Nigeria	Introducing Society of Cement and Concrete Researchers in Nigeria (SSCRIN)
09:40	10:40	10:40	Announcement/Assessment	
10:00	11:00	11:00	Excursion	

Excursion Two (10:30 – 12:00 GMT+1)

TIME			EVENT	VENUE
Nigeria	Germany	Italy/ZA		
10:00	11:00	11:00	Excursion	Visit to Olusegun Obasanjo Presidential Library
12:00	13:00	13:00	Departure	