

International Conference on Civil Engineering Education-Rwanda 2021

Date: 1-3 November 2021

Host: INES-Ruhengeri, Rwanda

Theme: Repositioning Civil Engineering Education for Sustainable Development

Conference schedule:

Day 1: 1 November 2021 (Presentations by researchers)			
Timeframe	Activity	Person responsible for the activity	Moderator
6:00-6:30 GMT	Registration	All participants	Francois Nsengiyumva INES-Ruhengeri (Rwanda)
6:30-6:45 GMT	Welcome and opening remarks	Fabien Hagenimana, The Vice-Chancellor of INES-Ruhengeri (Rwanda)	
6:45-7:30 GMT	Dominant Influencing Factors of Groundwater Recharge Spatial Patterns at a catchment scale	Rukundo Emmanuel Department of Civil Engineering INES-Ruhengeri (Rwanda)	
7:30-8:15 GMT	The application of remanufacturing in sustainable manufacture	Akinwale Coker Department of Civil Engineering University of Ibadan (Nigeria)	
8:15-8:45 GMT	Coffee break	All participants	
8:45-9:15 GMT	Keynote speech on “ Scientific Research as component of the threefold mission of a university and its contribution to the enhancement of the quality of teaching and learning civil engineering ”	Igor Guz University of Aberdeen (UK)	
9:15-10:00 GMT	Soil Erosion Modelling for Sustainable Environmental Management in Sebeya Catchment, Rwanda	Félicien Majoro Department of Civil, Environmental and Geomatics Engineering University of Rwanda (Rwanda)	
10:00-10:45 GMT	An overview of decommissioning of pipelines	Ana Ivanovic University of Aberdeen (UK)	
10:45:12:15 GMT	Lunch break	All participants	Folake Akintayo

12:15-13:00 GMT	An assessment of failure initiation in asphaltic bridge joints	Alfred Akisanya University of Aberdeen (UK)	University of Ibadan (Nigeria)
13:00-13:45 GMT	Bridging the gap between theory and practice in the training of civil engineering students in Nigeria: The University of Ibadan experience and way forward	Adedokun Ojelabi Industrial Training Centre University of Ibadan (Nigeria)	
13:45-14:30 GMT	Development of mobile prefabricated shelters for rapid isolation of people during natural disasters and pandemics	Jean de Dieu Nzabonimpa Department of Civil Engineering INES-Ruhengeri (Rwanda)	
14:30-15:15 GMT	Durability Evaluation of Calcined Clay and Limestone Powder Blended Ternary Self-Compacting Concrete	Taku Kumator Department of Civil Engineering, Joseph Saawuan Tarka University Makurdi (Nigeria)	
15:15-15:30 GMT	Closing remarks	Callixte Yadufashije, The Deputy Vice-Chancellor (Academics and Research) INES-Ruhengeri (Rwanda)	

Day 2: 2 November 2021 (Presentations by students and researchers)

6:00-6:30 GMT	Registration	All participants	Francois Nsengiyumva INES-Ruhengeri (Rwanda)
6:30-7:00 GMT	Keynote speech on “Problem-Based Learning in Scientific Research and its contribution to the enhancement of the quality of teaching and learning civil engineering” .	Fabien Hagenimana, The Vice-Chancellor of INES-Ruhengeri (Rwanda)	
7:00-7:30 GMT	Use of crushed glass as a stabilizer of clay soil in road construction	Jacqueline Nyirajana (Postgraduate student) Department of Civil Engineering, University of Ibadan (Nigeria)	
7:30-8:00 GMT	Gender Gap in Engineering Education in sub-Saharan Africa: A Case Study of University of Ibadan and INES-Ruhengeri	Olatunde Okunlola (Postgraduate student) Department of Civil Engineering University of Ibadan	

		(Nigeria)	
8:00-8:30 GMT	Application of Hydrograph Separation and Machine Learning (ML) Models in the Evaluation of Groundwater Recharge – A Case Study of Ogun River Basin	Oluwatobi Aiyelokun (Postgraduate student) Department of Civil Engineering, University of Ibadan (Nigeria)	
8:30-9:00 GMT	Coffee break	All participants	Emmanuel Rukundo INES-Ruhengeri (Rwanda)
9:00-9:30 GMT	Alternative Energy Source from Domestic Wastewater	Ajaelu C. S. (Postgraduate student) Department of Civil Engineering, University of Ibadan (Nigeria)	
9:30-10:00 GMT	Modern environmental friendly waste management disposal (G-dustbin)	Gad Nishimwe (Undergraduate student) Department of Civil Engineering INES-Ruhengeri (Rwanda)	
10:00-10:30 GMT	A study on the strength of compressed stabilized clayey soil block as a building material for affordable and sustainable housing in Rwanda	Samuel Mutuyimana (Undergraduate student) Department of Civil Engineering INES-Ruhengeri (Rwanda)	
10:30-12:00 GMT	Lunch break	All participants	
12:00-12:30 GMT	Hydrological Modeling Applying HEC HMS for Flood Forecasting in Mukungwa Catchment, Rwanda	Ange Uwase (Undergraduate student) Department of Civil Engineering INES-Ruhengeri (Rwanda)	
12:30-13:00 GMT	A comparative study on the quality of cements used in Rwanda: Cimerwa, Savannah and Twiga cements	Silas Muhayimana (Undergraduate student) Department of Civil Engineering INES-Ruhengeri (Rwanda)	

13:00-13:30 GMT	Use of crushed waste ceramic tiles as a partial replacement of coarse aggregates in concrete	Wellars Ndatimana (Undergraduate student) Department of Civil Engineering INES-Ruhengeri (Rwanda)	
13:30-14:15 GMT	Effect of rice husk ash (RHA) on compressive strength of concrete in Rwanda	Jean d'Amour Dusabimana (Researcher) Department of Civil Engineering, INES-Ruhengeri (Rwanda)	
14:15-15:00 GMT	Road Induced Soil Erosion: A Review of Causes, Evaluation Techniques and Control Methods	Martin Muma (Researcher), School of Engineering, Catholic University of Cameroon (Cameroon)	
15:00-15:15 GMT	Closing remarks	Callixte Yadufashije, The Deputy Vice-Chancellor (Academics and Research) INES-Ruhengeri (Rwanda)	
Day 3: 3 November 2021 (Presentations by researchers)			
6:00-6:30 GMT	Registration	All participants	Francois Nsengiyumva INES-Ruhengeri (Rwanda)
6:30-7:15 GMT	Integrating the Principle and Practice of Remanufacture into Civil Engineering Education as a Public Health Engineering Strategy for Medical Waste Reduction	Chibueze Godwin Achi Department of Civil Engineering, University of Ibadan (Nigeria)	
7:15-8:00 GMT	Spatial Analysis in Assessing Flood Prone Areas and Soil Erosion Vulnerability around the Major Influent Rivers of the Lake Kivu on Rwanda Side	Deogratius Nahayo Department of Civil Engineering INES-Ruhengeri (Rwanda)	
8:00-8:30 GMT	Coffee break	All participants	Folake Akintayo

8:30-9:15 GMT	Fire performance of Metakolin concrete blends using Nigerian clays	John Oluwole Labiran Department of Civil Engineering, University of Ibadan (Nigeria)	University of Ibadan (Nigeria)
9:15-10:00 GMT	Mechanical properties of normal concrete (NC) incorporating rice husk ash (RHA), waste ceramic tiles (WCT) and broom fibres (BF)	Arowolo Samuel Gboyega Department of Civil Engineering, University of Ilorin (Nigeria)	
10:00-10:45 GMT	Geotechnical Basis for Pavement Failure along Akure-Ado-Ekiti Road	Temitope Oluwatoyin Ayodele Department of Civil Engineering, University of Ibadan (Nigeria)	
10:45-12:15 GMT	Lunch break	All participants	
12:15-13:00 GMT	Properties of waste ceramic pervious concrete (WCPC) modified with RHA for possible light traffic	Damilola Oyejobi Department of Civil Engineering University of Botswana (Botswana)	
13:00-13:45 GMT	Countermeasure against Liquefaction Damage of Embankments Considering Air Bubble Injection through Numerical Analysis	Teshoukong Agendia Department of Civil Engineering Catholic University of Cameroon (Cameroon)	
13:45 -14:30	Development of affordable indigenous construction materials – advances and challenges	Israel Osofero University of Aberdeen (UK)	
14:30:15:00 GMT	Closing remarks	The High Commissioner of the UK in Rwanda	Francois Nsengiyumva INES-Ruhengeri (Rwanda)
15:00-16:00 GMT	Participants' self-administration	All participants	
16:00-18:00	Closing dinner	All participants	