



**COLLEGE OF ENGINEERING
BELLS UNIVERSITY OF TECHNOLOGY
OTA, NIGERIA.**

Km 8, Idiroko Road, Benja Village, P.M.B 1015, Ota Ogun State



Presents:

**ICEIT 2023
INTERNATIONAL
CONFERENCE ON
ENGINEERING &
INNOVATIVE
TECHNOLOGY**

Theme:

**INNOVATION AND CREATIVITY
FOR SUSTAINABLE DEVELOPMENT**

Conference Dates: September 19 - 21, 2023

ORDER OF EVENT

DAY ONE: TUESDAY 19 SEPTEMBER, 2023

8.00am – 10.00am

ARRIVAL AND REGISTRATION

10.00am – 1.30 pm	OPENING CEREMONY Dr. Sola Owolabi – Anchor (BUPF INTERNATIONAL CONFERENCE CENTRE)
	<ul style="list-style-type: none">▪ Guests and Participants take their seats▪ National Anthem/School Anthem▪ Introduction of Guests/Dignitaries▪ LOC Chairman's Welcome Address – Dr. Amole O. Abraham▪ Host's Welcome Address – Prof. Sunday O. Fayomi▪ Chief Host's Opening Remark – Prof Jeremiah Oludele Ojediran, RE (COREN), FNSE, FNIAE, Vice Chancellor, BELLSTECH▪ Goodwill Messages▪ Declaring the Conference open – Prof Jeremiah Oludele Ojediran, RE (COREN), FNSE, FNIAE, Vice Chancellor, BELLSTECH
	<ul style="list-style-type: none">▪ Citation of Keynote Address Speaker▪ Lead Keynote Speaker: Prof. Fulufhelo Nemavhola Executive Dean, Faculty of Engineering and the Built Environment, Durban University of Technology, South Africa
	<ul style="list-style-type: none">▪ Citation of Keynote Address Speaker▪ Second Keynote Speaker: Prof. Hillary Ijeoma Owamah Director, Academic Planning, Delta State University, Abraka, Edo State ENERGY RESOURCE STRUCTURE, WASTE MANAGEMENT FOR ENERGY GENERATION AND CURRENT SUSTAINABLE DEVELOPMENT POLICIES IN NIGERIA
	<ul style="list-style-type: none">▪ Citation of Keynote Address Speaker▪ Third Keynote Speaker: Dr. Chukwuka Monyei Research Fellow, Energy Justice & Transition, University of Sussex, Falmer Brighton, United Kingdom
1.30 pm – 2.30 pm	LUNCH BREAK

2.30 pm – 4.30 pm	PLENARY SESSION I (LTI)
Chairman/Rapporteur	Dr. Desmond Ighravwe
	<p>EXPERIMENTAL STUDY ON THE EFFECT OF ROOF SHAPES ON THE PERFORMANCE OF CROSS AXIS WIND TURBINE</p> <p>Gwani, M.: <i>Department of Physics, Kebbi State University of Science and Technology, Aliero, 1144 Kebbi State, Nigeria; gwanimohammed@gmail.com</i></p>
	<p>PROPOSED METHODOLOGY FOR THE FEASIBILITY STUDY OF HYDROELECTRICITY GENERATION AT GWAIGWAYE RESERVOIR IN FUNTUA, KATSINA STATE</p> <p>Patrick Olabisi and Murtala Abdullahi: <i>Department of Electrical/Electronics and Telecommunication Engineering, Bells University of Technology, Ota, Nigeria; poolabisi@bellsuniversity.edu.ng</i></p>
	<p>PERFORMANCE ANALYSIS OF GRID-TIED FUEL-CELL SYSTEM UNDER VARIOUS OPERATING CONDITIONS</p> <p>Sethabile Happiness Mthethwa, Agha Francis Nnachi, Emmanuel Olusegun Ogundimu, Coneth Graham Dr. Stanley Ebrim Richards, Bolanle T Abe: <i>Department of Electrical Engineering, Tshwane University of Technology, South Africa; Mthethsh1@webmail.co.za</i></p>
	<p>INVESTIGATING THE POINT OF LOADING POWER LOSSES ON THE REDEEMED CHRISTIAN CHURCH OF GOD (RCCG) POWER NETWORK: REVIEW</p> <p>Olamide O. Olusanya: <i>Department of Computer Engineering, Bells University of Technology, Ota, Ogun State. Nigeria; ooolusanya@bellsuniversity.edu.ng</i></p> <p>Folorunso A. Olugbenga: <i>Department of Electrical/Electronics and Telecommunication Engineering, Bells University of Technology, Ota, Ogun State. Nigeria</i></p>
	<p>TECHNO-ECONOMIC ANALYSIS OF PHOTOVOLTAIC AND DIESEL HYBRID SYSTEM OPERATION OF FILLING STATION IN NIGERIA</p> <p>Usen, U.E., Titilayo A. Kuku: <i>Department of Electrical, Electronic, and Telecommunication Engineering, Bells University of Technology, Ota, Ogun State</i></p> <p>Olamide O. Olusanya: <i>Department of Computer Engineering, Bells University of Technology, Ota, Ogun State</i></p>
	<p>THE STATE OF THE ART OF HYDROGEN-POWERED ENERGY TRANSITION IN SOUTH AFRICA</p>

	Emmanuel Olusegun Ogundimu, Coneth Graham Richards, Pieter Johannes Ehlers, Bolanle T Abe: <i>Department of Electrical Engineering, Tshwane University of Technology, South Africa; ogundimueo@tut.ac.za</i>
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2.30 pm – 4.30 pm	PLENARY SESSION II (LT2)
Chairman/Rapporteur	Dr. Adeleye A. O./Mr. Onyenefa C. O.
	<p>DESIGN OF WIRELESS BASED TELE-MONITORING SYSTEM WITH BIOMEDICAL SENSOR</p> <p>Abiodun Ogunsanya, Deborah Daramola: <i>Department of Biomedical Engineering, Bells University of Technology, P.M.B 1015, Ota, Nigeria; aogunsanya@bellsuniversity.edu.ng, olyinkabbey@gmail.com</i></p>
	<p>ENHANCED SVM-BASED PAP SMEAR IMAGES CLASSIFICATION USING HYBRID FEATURE SELECTION TECHNIQUES FOR DETECTION OF CERVICAL CANCER</p> <p>Oluwadamisola Osunderu, Abraham Amole: <i>Department of Electrical, Electronic, and Telecommunication Engineering, Bells University of Technology, Ota, Ogun State; aoamole@bellsuniversity.edu.ng</i></p> <p>Olamide Olusanya: <i>Department of Computer Engineering, Bells University of Technology, Ota, Ogun State</i></p> <p>Abiodun Ogunsanya: <i>Department of Biomedical Engineering, Bells University of Technology, Ota, Ogun State</i></p>
	<p>OPTIMIZING DIAGNOSTIC ACCURACY FOR ALZHEIMER'S DISEASE THROUGH MACHINE LEARNING: A STUDY ON COGNITIVE IMPAIRMENT IN OLDER ADULTS</p> <p>Jesuloluwa Zaccheus, Ayodele Oyejide, Hannah Ugo: <i>Department of Biomedical Engineering, Afe Babalola University, Ado-Ekiti, Nigeria</i></p> <p>Taiwo Olutosoye: <i>Department of Biomedical Engineering, Bells University of Technology, Ota Ogun State, Nigeria; zaccheusje@abuad.edu.ng</i></p>
	<p>COMBATING THE SPREAD OF AIRBORNE DISEASES USING RASPBERRY PI BASED FACE MASK DETECTION SYSTEM: A CASE STUDY OF CORONAVIRUS</p> <p>Philip A. Adewuyi, Olatunde Emmanuel and Louis C. Echefu: <i>Mechatronics Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; paadewuyi@bellsuniversity.edu.ng</i></p>
	<p>AN ALGORITHM FOR THE VISUALIZATION OF SHOCK WAVE IN SUPERSONIC FLOW</p>

	<p>Alex Avwunuketa, Divine Nmoyem, Obodo Joseph, Michael Quaicoe: <i>Aeronautical and Astronautical Engineering Department, Afe Babalola University, Ado Ekiti, Nigeria; avwunuketaaa@abuad.edu.ng</i></p> <p>Olatunji Oyelaran: <i>Mechanical Engineering Department, Federal University, Oye- Ekiti, Nigeria</i></p> <p>Joseph Dada: <i>Electrical and Electronics Engineering Department, Afe Babalola University, Ado Ekiti, Nigeria</i></p>
	<p align="center">BIOMECHANICAL ANALYSIS OF PENILE BLOOD FLOW IN ERECTILE DYSFUNCTION: INSIGHTS FROM COMPUTATIONAL MODELING</p> <p>Taiwo Olutosoye: <i>Department of Biomedical Engineering, Bells University of Technology, Ota Ogun State, Nigeria; tcolutosoye@bellsuniversity.edu.ng</i></p> <p>Ayodele Oyejide, Jesuloluwa Zaccheus: <i>Department of Biomedical Engineering, Afe Babalola University, Ado-Ekiti, Nigeria</i></p> <p>Abu Rahaman: <i>Department of Mechanical Engineering, University of Ibadan, Oyo State, Nigeria</i></p> <p>Igbinsa Godwin: <i>Department of Electrical Electronics and Telecommunication Engineering, Bells University of Technology, Ota Ogun State, Nigeria</i></p> <p>Michael Odeniyi: <i>Department of Pharmaceutics and Industrial Pharmacy, University of Ibadan, Oyo state, Nigeria</i></p>

2.30 pm – 4.30 pm	PLENARY SESSION III (ARCH STUDIO I)
Chairman/Rapporteur	Engr. Ezugwu C.
	<p align="center">MULTI-OBJECTIVE MULTI-INTEGER MAINTENANCE PLANNING OPTIMIZATION MODEL OF INDUSTRIAL CONVEYOR BELT</p> <p>Desmond E. Ighravwe, Ojo S. I. Fayomi: <i>Department of Mechanical Engineering, Bells University of Technology, P.M.B 1015, Ota, Nigeria; ighravwedesmond@gmail.com</i></p> <p>Daniel O. Aikhuele: <i>Department of Mechanical Engineering, University of Port Harcourt, P.M.B 5323, Choba, Nigeria</i></p> <p>Onyisi Ozuor, Enesi Y. Salawu: <i>Department of Mechanical Engineering, Covenant University, P.M.B 1023, Ota, Nigeria</i></p>
	<p align="center">EFFECT OF WELDING VOLTAGES ON WELDMENT ZONES IN OIL AND GAS TRANSPORTATION STEEL PIPELINES</p> <p>Oluwaseun Gabriel Okediran: <i>seun4gab@yahoo.com</i></p>
	<p align="center">COMPARATIVE ANALYSIS OF THE STRENGTH AND SAFETY IMPACTS ON INDUSTRIAL CONVEYOR BELT MAINTENANCE PLANNING</p>

	<p>Desmond E. Ighravwe: <i>Department of Mechanical Engineering, Bells University of Technology, P.M.B 1015, Ota, Nigeria; ighravwedesmond@gmail.com</i></p> <p>Daniel O. Aikhuele: <i>Department of Mechanical Engineering, University of Port Harcourt, P.M.B 5323, Choba, Nigeria</i></p> <p>Onyisi Ozuor: <i>Department of Mechanical Engineering, Covenant University, P.M.B 1023, Ota, Nigeria</i></p>
	<p>INVESTIGATION OF SYNERGETIC HYBRID OF MgO/ZnO/CRAB SHELL REINFORCED PLA COMPOSITE FOR BONE TISSUE APPLICATIONS</p> <p>Esther Iorkohol, Abiodun Ogunsanya: <i>Department of Biomedical Engineering, Bells University of Technology, P.M.B 1015, Ota, Nigeria; aogunsanya@bellsuniversity.edu.ng, olyinkabbey@gmail.com</i></p>
	<p>MODELING AND OPTIMIZATION OF BUCK – BOOST CONVERTER USING PERTURBATION AND OBSERVATION TECHNIQUE</p> <p>Abraham O. Amole, Titilola Sodipo, Adebimpe O. Adeyeye, Nosagieagbon O. Imarhiagbe, Joshua Nobei, <i>Department of Electrical, Electronics and Telecommunication Engineering, Bells University of Technology, Ota; aoamole@bellsuniversity.edu.ng</i></p> <p>Anthony O. Onokwai: <i>Department of Mechanical Engineering, Bells University of Technology, Ota</i></p>
	<p>EFFECT OF ALLOYING ELEMENTS Si AND Ti ON THE PHASE EVOLUTION AND NANOINDENTATION CHARACTERISTICS OF ARC-MELTED AlCuFeNiSi AND AlCuFeNiTi HIGH ENTROPY ALLOYS FOR ENERGY STRUCTURAL APPLICATIONS</p> <p>Modupeola Dada and Patricia Popoola: <i>Chemical Metallurgical Materials Engineering, Tshwane University of Technology; DadaMO@tut.ac.za</i></p>

2.30 pm – 4.30 pm	PLENARY SESSION IV (ARCH STUDIO II)
Chairman/Rapporteur	Dr. Paul Osamudiamen
	<p>DATASET ON HOUSEHOLD WATER QUALITY INDEX AND STREAM FLOW SIMULATION MODEL IMPROVEMENT ON SURFACE WATER ATTRIBUTE SCRUTINY SOUTHERN NIGERIA</p> <p>Christopher Ehizemhen Igibah, Omolayo Joyce L. Agatha: <i>Department of Civil Engineering, University of Benin Edo - State Nigeria, igibahchrist1@gmail.com</i></p> <p>Idowu Rudolph Ilaboya, Solomon Dibiamaka Iyeke: <i>Department of Civil Engineering, Ambrose Alli University Ekpoma Edo State, Nigeria</i></p>

	<p>Emmanuel Ufuah: <i>Department of Civil Engineering, Federal University of Technology Akure Ondo State, Nigeria</i></p>
	<p>JUSTIFICATION OF QUINQUENNIAL REVALUATION OF PROPERTIES FOR RATING ASSESSMENT: A CASE OF GARKI AREA 2 ABUJA, NIGERIA</p> <p>Chukwuemeka O. Iroham, Favour C. Frank-Amadi, Samuel Munyemana: <i>Department of Estate Management, Covenant University, Ota, Ogun State, Nigeria; Osmond.iroham@covenantuniversity.edu.ng</i> Hilary I. Okagbue: <i>Department of Mathematics, Covenant University, Ota, Ogun State, Nigeria</i></p>
	<p>CLIENT SATISFACTION IN PROPERTY MANAGEMENT BY ESTATE SURVEYORS AND VALUERS AND LEGAL PRACTITIONERS: A CASE OF RIVTAF GOLF ESTATE, PORT HARCOURT, NIGERIA</p> <p>Chukwuemeka O. Iroham, Chizzy D. Chike-Chuku, Samuel Munyemana: <i>Department of Estate Management, Covenant University, Ota, Ogun State, Nigeria; Osmond.iroham@covenantuniversity.edu.ng</i> Hilary I. Okagbue: <i>Department of Mathematics, Covenant University, Ota, Ogun State, Nigeria</i></p>
	<p>CONTRIBUTION OF REAL ESTATE INVESTMENT ON SOCIO-ECONOMIC DEVELOPMENT IN RWANDA: A CASE STUDY OF KICUKIRO DISTRICT</p> <p>Samuel Munyemana, Chukwuemeka Iroham, Afolasade Oluwatobi: <i>Department of Estate Management, Covenant University, Ota, Ogun State, Nigeria; Osmond.iroham@covenantuniversity.edu.ng</i> Richard Manirakiza: <i>Department of Land Administration, Valuation and Real Estate Management, INES-RUHENGRI, Rwanda</i></p>
	<p>EFFECTIVENESS OF PASSIVE DESIGN SOLUTIONS IN COMMERCIAL BUILDINGS IN LAGOS, NIGERIA</p> <p>Pearl A. Opoko, Adeoye O. Adewolu, Muneer A. Akinbola, Jamiu A. Ejiwumi, Matthew A. Adesorin, and Yaqub A. Gbadegesin: <i>Department of Architecture, Bells University of Technology, Ota, Ogun State, Nigeria; yaqub08@yahoo.com</i></p>
	<p>COST REDUCTION TECHNIQUES USED ON PUBLIC TERTIARY EDUCATIONAL BUILDING PROJECTS IN NIGERIA</p> <p>Olabosipo Ishola Fagbenle and Ayodeji Olubunmi Ogunde: <i>Department of Building Technology, Covenant University, Nigeria; gbemisola.akinolapgs@stu.cu.edu.ng</i></p>

	Gbemisola Ajoke Akinola: <i>Department of Quantity Surveying, The Federal Polytechnic Ilaro, Nigeria</i>
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2.30 pm – 4.30 pm	PLENARY SESSION V (ARCH SEMINAR ROOM)
Chairman/Rapporteur	Dr. Benjamin Anyaegbuna
	<p>ICT AS A MANAGERIAL TOOL FOR INFORMATION CRISIS</p> <p>Osilaru S. Emmanuel and Igbinosa Godwin O. : <i>Department of Electrical/Electronic and Telecommunication Engineering, Bells University of Technology, P.M.B 1015, Ota, Ogun State, Nigeria; sunday.omoaro@gmail.com</i></p>
	<p>A REVIEW OF ELECTRONIC NOSES FOR DETECTION AND INTENSITY ASSESSMENT OF HYDROCARBON SPILLAGE</p> <p>Fatoye Ezekiel Olatunde, Olugbemiga Victor Matthews: <i>Department of Electrical/Electronic Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; kiel4uall@gmail.com, ov@belluniversity.edu.ng</i></p>
	<p>DEVELOPMENT OF A RECOGNITION SYSTEM FOR SELECTED LOCAL FRUITS</p> <p>Opeyemi Adanigbo, Bolaji Omodunbi: <i>Department of Computer Engineering, Federal University, Oye –Ekiti</i> Olusogo Julius Adetunji: <i>Department of Computer Engineering, Bells University, Ota, Ogun State; ojadetunji@bellsuniversity.edu.ng</i> Temitayo Oyewole: <i>Department of Computer Engineering, Elizade University, Ondo State</i></p>
	<p>CONGESTION MANAGEMENT IN GLOBAL SYSTEM MOBILE TELECOMMUNICATION (GSM) USING QUEUING SCHEME AND DYNAMIC PRICING</p> <p>Yekini Olawale Saheed; <i>Department of Electrical/Electronic Engineering, Allover Central Polytechnic, Ota Nigeria, ; yekinisaheed@alloverpoly.edu.ng</i> Gbadega Peter Anuolowapo; <i>Department of Electrical/Electronic Engineering, Bells University of Technology P.M.B 1015, Ota, Nigeria</i></p>
	<p>DEVELOPMENT OF A MOBILE APPLICATION FOR SMART HEATING, VENTILATION AND AIR - CONDITIONING SYSTEMS</p> <p>Chinedu A. K. Ezugwu, Kayode E. Ojo, Aitanun D. Oseremen, Omotayo I. Adewuyi: <i>Department of Mechatronics Engineering, Bells University of Technology, Ota, 1015, Ogun State, Nigeria; caezugwu@bellsuniversity.edu.ng</i> Morakinyo K. Onifade: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, 1015, Ogun State, Nigeria</i></p>

	<p>Taiwo C. Olutosoye: <i>Department of Biomedical Engineering, Bells University of Technology, Ota, 1015, Ogun State, Nigeria</i></p> <p>Ojo S. I. Fayomi: <i>Department of Mechanical Engineering Science, University of Johannesburg, Cnr Kingsway and University Roads, Auckland Park, 2092, Johannesburg, South Africa</i></p>
	<p>AIR QUALITY AND HEART RATE MONITORING SYSTEM USING INTERNET OF THINGS</p> <p>Ojo K. Ebenezer, Adewuyi P. Adesola, Ezuwgu C. Anthony, Ajewole O. Kehinde: <i>Department of Mechatronics Engineering, Bells University of Technology, Ota, Nigeria; keojo@bellsuniversity.edu.ng</i></p> <p>Olutosoye T. Christian: <i>Department of Biomedical Engineering, Bells University of Technology, Ota, Nigeria</i></p> <p>Fanifosi S. Josiah: <i>Abuja Electricity Distribution Company, Nigeria</i></p> <p>Charles D. Ajibola: <i>Department of Electrical and Telecommunication Engineering, Bells University of Technology, Nigeria</i></p>
	<p>WIRELESS NETWORK IN NIGERIA: DEVELOPMENT, GROWTH, CHALLENGES AND PROSPECTS</p> <p>Omotoso O and Igbinosa Godwin O. : <i>Department of Electrical, Electronics and Telecommunication Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; Omotoshosola79@gmail.com, goigbinosa@bellsuniversity.edu.ng</i></p>

DAY TWO: 20TH SEPTEMBER, 2023

9.00am – 11.00am	PLENARY SESSION VI (LTI)
Chairman/Rapporteur	Dr. Joseph Oyedeji
	<p>REVIEW OF ADVANCES IN GRID-CONNECTED INVERTERS AND CONTROL TECHNIQUES FOR POWER SYSTEM BLACK START</p> <p>Nosagieagbon Owomano Imarhiagbe, Adeyeye Adebimpe, Abraham Olatide Amole, Titilayo Adelaja Kuku: <i>Department of Electrical/Electronics and Telecommunication Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; aoamole@bellsuniversity.edu.ng</i></p>
	<p>ASSESSING METHODOLOGICAL VALIDITY AND VARIABLE CONSIDERATIONS FOR FORECASTING RENEWABLE ENERGY LOAD REQUIREMENTS: A REVIEW</p> <p>Ademola P Olagunju: <i>Department of Electrical/Electronics and Telecommunication Engineering, Bells University of Technology, Ota, Ogun State, Nigeria</i></p>

	<p>Olamide O. Olusanya: <i>Department of Computer Engineering, Bells University of Technology, Ota, Ogun State, Nigeria; ooolusanya@bellsuniversity.edu.ng</i></p> <p>Taiwo Olaleye: <i>Department of Computer Science, Federal University of Agriculture Abeokuta, Nigeria</i></p>
	<p>ELECTRICITY LOAD PATTERNS: INSIGHTS FOR FORECASTING AND POLICY DIRECTION</p> <p>Rafiu O. Oyebisi: <i>Department of Electrical/Electronics and Telecommunication Engineering, Bells University of Technology, PMB 1015, Ota, Ogun State, Nigeria; bisipower73@yahoo.com</i></p> <p>Olamide O. Olusanya: <i>Department of Electrical/Electronics and Telecommunication Engineering, Bells University of Technology, PMB 1015, Ota, Ogun State, Nigeria; ooolusanya@bellsuniversity.edu.ng</i></p>
	<p>EXPERIMENTAL TESTING OF POWER CAPACITY VARIATION IN LITHIUM-ION BATTERY</p> <p>Chibuzo Victor Ikwuagwu, Celestine Nnaemeka Achebe: <i>Department of Mechanical Engineering, University of Nigeria, Nsukka; nnaemeka.achebe@unn.edu.ng</i></p> <p>Ndudim Henry Ononiwu: <i>African Center of Excellence for Sustainable Power and Energy Development (ACE-SPED), University of Nigeria, Nsukka</i></p>
	<p>A CONCISE REVIEW OF THE TRENDS IN FAULT DETECTION TECHNIQUES FOR MICROGRIDS</p> <p>Abraham O. Amole, Adebimpe O. Adeyeye, Nosagieagbon O. Imarhiagbe: <i>Department of Electrical, Electronic, and Telecommunication Engineering, Bells University of Technology, Ota, Ogun State; aoamole@bellsuniversity.edu.ng</i></p>

9.00am – 11.00am	PLENARY SESSION VII (LT2)
Chairman/Rapporteur	Dr. Philip Adewuyi
	<p>THE EFFECTS OF CONTROL PARAMETERS ON THE CONVERGENCE OF A GENETIC ALGORITHM FOR MANAGING BOTTLENECK SITUATIONS OF A PRODUCTION PROCESS OF AN AUTOMOBILE INDUSTRY</p> <p>E.O. Adeyemi, D.E. Ighravwe: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Ogun State, Nigeria; adeyemyemmy@yahoo.com</i></p> <p>O.S.I. Fayomi: <i>Faculty of Engineering and Built Environment, University of Johannesburg, Auckland Park, Johannesburg, South Africa</i></p>

FINITE ELEMENT ANALYSIS OF NACA 0018 AUTOMOBILE SPOILER MANUFACTURED FROM AGRO-WASTE COMPOSITE MATERIALS

Tikarewa, G. Ayoola, Oladejo, K. Adesola, Oluwajobi, O. A. Alonge, O. Iyiola: *Department of Mechanical Engineering, Obafemi Awolowo University, Ile-Ife, Nigeria; lmdganiu@yahoo.com*

A REVIEW OF SURFACE ACTIVE COATINGS FOR SPRINKLER PIPES IN BUILDING SERVICES APPLICATION

L.B. Adetola, B.E. Anyaegbuna: *Department of Mechanical Engineering, Bell University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; adetolalydia@yahoo.com*

O.S.I. Fayomi: *Faculty of Engineering and Built Environment, University of Johannesburg, Auckland Park, P. O. Box 534, Johannesburg, South Africa*

HEAT TRANSFER CHARACTERISTICS OF Al_2O_3 BASED NANOREFRIGERANTS IN THE EVAPORATOR AND CONDENSER OF VAPOUR COMPRESSION REFRIGERATION SYSTEMS

Oluseyi O. Ajayi: *Department of Mechanical Engineering, Covenant University, Ota, Ogun State, Nigeria; mercydivine2k2@yahoo.co.uk*

Mercy Ogbonnaya: *Department of Mechanical Engineering, University of Lagos, Akoka, Lagos State, Nigeria.*

Mufutau A. Waheed: *Department of Mechanical Engineering, Federal University of Agriculture, Abeokuta, Ogun State, Nigeria*

A.P.I Popoola: *Department of Chemical, Metallurgical and Materials Engineering, Tshwane University of Technology, South Africa*

MULTILINEAR REGRESSION PREDICTIVE ANALYSIS OF ADDITIVE MANUFACTURED HIGH-CARBON STEEL POWDER

Victor Aladesanmi, Timothy Laseinde: *University of Johannesburg, Mechanical & Industrial Engineering, Johannesburg, South Africa; victorwins03@gmail.com*

INVESTIGATING THE IMPACT OF SURFACE PREPARATION AND COATING PARAMETERS ON THE ADHESION PERFORMANCE OF EPOXY COMPOSITE COATINGS ON MILD STEEL SUBSTRATES

Abayomi A. Okesola, K. Mensah-Darkwa, and Anthony Andrews: *Department of Materials Engineering, College of Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana; yomiokesola@yahoo.com*

Nthabiseng B. Maledi: *School of Chemical and Metallurgical Engineering, Faculty of Engineering and Built Environment, University of the Witwatersrand, South Africa*

9.00am – 11.00am	PLENARY SESSION VIII (ARCH STUDIO I)
Chairman/Rapporteur	Engr. Olufemi Ajewole
	<p>ENVIRONMENTAL IMPACT ASSESSMENT: A CASE OF THE NEW 500-SITTING CAPACITY LECTURE THEATRE IN BELLS UNIVERSITY OF TECHNOLOGY OTA, OGUN STATE, NIGERIA</p> <p>Anifowose Titilayo Elizabeth, Louis Benedict Benyah and Tafa Abdulrasaq Oluwadamilola: <i>Department of Architecture, Bells University of Technology, Ota; teanifowose@bellsuniversity.edu.ng, benedictlouis97@gmail.com</i></p>
	<p>THE CHOICE OF BUILDING MATERIALS FOR HOUSING BY LOW-INCOME PEOPLE IN SUBURBAN OTA, OGUN STATE, NIGERIA</p> <p>Taiye O. Alagbe, Oluwatoyin A. Adebayo, Titilayo E. Anifowose, Ifeoluwa Akande, Oladele Afolabi and Ayomipo A. Fadeyi: <i>The Bells University of Technology, Ota, Ogun State; toalagbe@bellsuniversity.edu.ng</i></p>
	<p>THE BARRIERS AND CHALLENGES OF WOMEN’S INVOLVEMENT IN THE CONSTRUCTION INDUSTRY WITHIN KWAZULUNATAL SOUTH AFRICA</p> <p>Jabulile Hilda Nzaba: <i>Department of Civil Engineering, Mangosuthu University of Technology, Durban South Africa; ndimandeJ@mut.ac.za</i></p>
	<p>LAND USE CHANGES AND THEIR EFFECTS ON WATER RESOURCE QUANTITY AND QUALITY IN BREDELL AGRICULTURAL HOLDINGS CATCHMENT AREA UNDER THE CITY OF EKURHULENI</p> <p>Onyeka Nkwonta: <i>Department of Civil Engineering, Mangosuthu University of Technology</i></p>
	<p>A SYSTEMATIC REVIEW OF GEOPOLYMER MATERIALS INNOVATIONS, PREVAILING CONSTRAINTS AND RESOLUTIONS</p> <p>Arum Chinwuba, Lucia Omolayo Agashua, Bamitale Dorcas Oluyemi-Ayibiowu: <i>Department of Civil Engineering, Federal University of Technology Akure Ondo State, Nigeria; authoragashualight@gmail.com</i></p>
	<p>ARCHITECTURE FEATURES AS BRANDING TOOL FOR SELECTED COMMERCIAL BUILDINGS</p> <p>Titilayo Anifowose, Joy Berachah, Timothy onyema uchenna, Luqman Zaidu, Jasmine Ugwoke ,Chukwuemeka Eleje , Chinonso Ilugbekhai:</p>

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9.00am – 11.00am	PLENARY SESSION IX (ARCH STUDIO II)
Chairman/Rapporteur	Dr. Olusegun Akinpelu
	<p>DEVELOPMENT OF AN INTELLIGENT-BASED HEXAPOD FOR SURVEILLANCE USING RASPBERRY Pi</p> <p>Oluwaseun Olayinka Tooki, Abdulrahman Adebisi Aderinto: <i>Electrical and Electronics Engineering Department, Faculty of Ground and Communication Engineering, Air Force Institute of Technology (AFIT), Kaduna, 2104, Nigeria; o.tooki@afit.edu.ng; abdurrahman.aderinto@gmail.com</i></p> <p>Idowu Akinremi Ojerinde: <i>Electrical/Electronics and Telecommunication Department, College of Engineering, Bells University of Technology, Ota, Nigeria</i></p> <p>Robert Abolade and David Aborisade: <i>Electronic and Electrical Engineering Department, Faculty of Engineering and Technology, Ladoke Akintola University of Technology, Ogbomoso, 4000, Nigeria</i></p>
	<p>DESIGN OF IOT-BASED SMART IRRIGATION SYSTEM FOR AGRICULTURAL SOIL PARAMETERS ANALYSIS UNDER DIFFERENT CONDITIONS</p> <p>Amole Abraham, Ojerinde Idowu, Omolayo Oluwalonimi, Fiemobebefa Collins and Ayomide Yusuf: <i>Department of Electrical, Electronic, and Telecommunication Engineering, Bells University of Technology, Ota, Ogun State; aoamole@bellsuniversity.edu.ng</i></p>
	<p>AUTOMATION OF DISPUTE RESOLUTION ON AUTOMATED TELLER MACHINE: A SOLUTION TO MANUAL PROCESSING</p> <p>Abraham O. Amole and Oluwatoyin R. Adejayan: <i>Department of Electrical, Electronic and Telecommunication Engineering, Bells University of Technology, P.M.B 1015, Ota, Ogun State, Nigeria; toyinadejayan@gmail.com</i></p>
	<p>DESIGN OF OPTIMAL CONTROLLER FOR MICROSATELLITE YAW-AXIS ATTITUDE CONTROL SYSTEM</p> <p>Igbinosa G. O., Egwim E. E.: <i>Department of Electrical/Electronics and Telecommunication Engineering, Bells University of Technology, P.M.B.1015, Ota, Ogun State, Nigeria; emmanuel.egwim@yahoo.com</i></p>

	<p>ELECTRIC POWER SYSTEM SURVEILLANCE USING POWER LINE CARRIER AS A MEANS OF SIGNAL TRANSMISSION FOR MONITORING POWER</p> <p>Adesanmi S. Adejayan , Kuku T.A: <i>Department of Electrical, Electronics and Telecommunication Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; sanmijayan29@gmail.com</i></p>
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9.00am – 11.00am	PLENARY SESSION X (ARCH SEMINAR ROOM)
Chairman/Rapporteur	Dr. Godwin Igbinosa
	<p>EVALUATION OF THE ENGINEERING PROPERTIES OF BITUMEN MODIFIED WITH PLASTIC AND CRUMB RUBBER WASTES</p> <p>I.D. Anyaegbuna: <i>Department of Civil and Environmental Engineering, University of Lagos, Akoka, Yaba, Lagos State, Nigeria; ikechukwuanyaegbuna@gmail.com</i></p> <p>A.E. Modupe: <i>Department of Civil Engineering, University of KwaZulu-Natal, Durban, South Africa</i></p> <p>D.U. Idusuyi, A. A. Olanipekun: <i>Department of Civil Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria</i></p> <p>B.E. Anyaegbuna: <i>Department of Mechanical Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria</i></p>
	<p>EVALUATION OF THE IMPACT OF INDUSTRY 4.0 TECHNOLOGIES ON SUPPLY CHAIN RESILIENCE IN THE MARITIME INDUSTRY</p> <p>Mfon Okon Owowo: <i>Department of Mechanical Engineering, Bells University of Technology, Ota; michael.owowo@gmail.com</i></p> <p>Sunday Thomas Ajayi: <i>Department of Mechanical Engineering, Bells University of Technology, Ota; ighravwedesmond@gmail.com</i></p> <p>Enediabasi Asukwo Etangetuk: <i>Maritime Safety Department, Nigerian Maritime Administration and Safety Agency; eeasukwo70@yahoo.com</i></p> <p>Opeyemi Oyeyipo: <i>Department of Quantity Survey, Bells University of Technology, oyeyipoo@gmail.com</i></p> <p>Eseoghene Ighravwe: <i>Department of Mechanical Engineering, Bells University of Technology, Ota; ighravwedesmond@gmail.com</i></p>
	<p>INTEGRATING MAINTENANCE PRACTICES WITH INDUSTRY 4.0 IN MANUFACTURING SYSTEM</p> <p>Effiong U. Kufre, Anthony O. Onokwai, Morakinyo K. Onifade: <i>Department of Mechanical Engineering, Bell University of Technology, P.M.B 1015, Ota, Ogun State, Nigeria; princekufi@gmail.com</i></p>

	<p>IMPACT OF SAFETY STOCK ON SUPPLY CHAIN MANAGEMENT</p> <p>Desmond Eseoghene Ighravwe, Olanrewaju Ridwan Olaniyan: <i>Department of Mechanical Engineering, Bells University of Technology, Ota;</i> <i>ighravweddesmond@gmail.com</i></p> <p>Enediabasi Asukwo Etangetuk, Sunday Thomas Ajayi: <i>Maritime Safety Department, Nigerian Maritime Administration and Safety Agency</i></p> <p>Daniel Osezua Aikhuele: <i>Department of Mechanical Engineering, University of Port Harcourt</i></p>
	<p>A MULTI-CRITERIA DECISION-MAKING APPROACH FOR CIRCULAR ECONOMY APPROACHES IN E-WASTE MANAGEMENT</p> <p>Ayodele J.A, Ighravwe D.E. and Ajayi S.T: <i>Department of Mechanical Engineering, Bells University of Technology, Ota;</i> <i>ighravweddesmond@gmail.com</i></p>
	<p>PREPARATION AND CHARACTERISATION OF RIGID POLYURETHANE FOAM FROM <i>Terminalia catappa</i> (TROPICAL ALMOND) SEED OIL-BASED POLYOL</p> <p>Funmilola Y. Falope, Paul M. Osamudiamen, and Adegboyega P. Adeoye: <i>Department of Chemical and Food Sciences, Bells University of Technology, Ota, Ogun State, 112104, Nigeria; pmosamudiamen@gmail.com</i></p> <p>Oyinlola R. Obanla: <i>Department of Chemical Engineering, Covenant University, Ota, Ogun State, 112104, Nigeria</i></p>

11.30 am – 12.00 noon	TEA/COFFEE BREAK
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12.00 noon – 1.00 pm	PLENARY SESSION XI (LTI)
Chairman/Rapporteur	Dr. Kayode Ojo
	<p>A REVIEW OF BIOMASS FOR SUSTAINABLE ENERGY GENERATION IN NIGERIA</p> <p>D.I. Faola, B.E. Anyaegbuna, A.O. Onokwai, O.E. Olayokun: <i>Department of Mechanical Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; davidfaola@gmail.com</i></p>
	<p>REVIEW OF BIOMASS AS A RENEWABLE ENERGY FOR SUSTAINABLE ENVIRONMENT</p> <p>O.E. Olayokun, B.E. Anyaegbuna, A.O. Onokwai, D.I. Faola, I.O. Muslim, A.O. Eruobodo, A.O. Adiatu: <i>Department of Mechanical</i></p>

	<i>Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; beanyaegbuna@bellsuniversity.edu.ng</i>
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12.00 noon – 1.00 pm	PLENARY SESSION XII (LT2)
Chairman/Rapporteur	Engr. Sunday Ajayi
	<p>A SURVEY OF DEPLOYMENT OF RENEWABLE ENERGY SYSTEMS WITH EMPHASIS ON BIOMASS ENERGY FOR LOCAL SLAUGHTERHOUSES</p> <p>Vincent O. Olisa and Abraham O. Amole: <i>Department of Electrical Electronic and Telecommunication Engineering, Bells University of Technology, Ota, Nigeria; tobiolisaneu@gmail.com</i></p> <p>AVIATION POWER-SYSTEM MAINTENANCE: CHALLENGES, INNOVATIONS, AND OPERATIONAL CONTINUITY</p> <p>Nura J Abdu, Desmond Ighravwe: <i>Department of Mechanical Engineering, Bells University of Technology, Ota; ighravweddesmond@gmail.com</i></p> <p>Enediabasi Asukwo Etangetuk: <i>Maritime Safety Department, Nigerian Maritime Administration and Safety Agency</i></p> <p>Sunday Thomas Ajayi: <i>Department of Quantity Survey, Bells University of Technology</i></p>

12.00 noon – 1.00 pm	PLENARY SESSION XIII (ARCH STUDIO I)
Chairman/Rapporteur	Miss Jesubori
	<p>A REVIEW OF THE COORDINATION OF OVER-CURRENT RELAY PROTECTION IN SUB-TRANSMISSION STATIONS USING COMPUTATIONAL OPTIMIZATION TECHNIQUES</p> <p>Patrick O. Olabisi and Babajide J. Ayegbokiki: <i>Department of Electrical, Electronic and Telecommunication Engineering, Bells University of Technology, Ota, Nigeria; poolabisi@bellsuniversity.edu.ng</i></p> <p>IMPACT OF RISK ON TIME PERFORMANCE OF HIGHWAY PROJECTS IN NIGERIA</p> <p>Victor Aligamhe: <i>Department of Quantity Surveying, Faculty of Built Environment and Surveying, Universiti Tekinologi Malaysia, 81310, UTM Johor Bahru, Johor, Malaysia; imohnikhe@graduate.utm.my; muzani@utm.my</i></p> <p>Muzani Mustap and Chukwuemeka Ogbu: <i>Department of Quantity Surveying, Faculty of Environmental Sciences, University of Benin, Edo State, Nigeria</i></p>

12.00 noon – 1.00 pm	PLENARY SESSION XIV (ARCH STUDIO II)
Chairman/Rapporteur	Miss Queen Sodipo
	<p>ASSESSING THE COMPRESSIVE AND TENSILE STRENGTH OF CONCRETE WITH PARTIAL REPLACEMENT OF COARSE AGGREGATE BY CERAMIC TILE WASTE</p> <p>Stephen Aderomose, Khashmn Sule Boumann, Paschal Chimeremeze Chiadighikaobi: <i>aderomose@gmail.com</i></p>
	<p>PHYSICOMECHANICAL PROPERTIES OF STRUCTURAL TIMBER STRENGTHENED WITH BASALT MESH JACKETING</p> <p>Paschal Chimeremeze Chiadighikaobi, Timothy Alhassan Amake and Stephen Kayode Aderomose: <i>Department of Civil Engineering, Afe Babalola University, Ado-Ekiti, Ekiti State, Nigeria;</i> <i>chiadighikaobi.paschalc@abuad.edu.ng</i></p>

12.00 noon – 1.00 pm	PLENARY SESSION XV (ARCH SEMINAR ROOM)
Chairman/Rapporteur	Miss Ayodunni Akintayo
	<p>ECOTOXICOLOGICAL ASSESSMENT OF HEAVY METALS IN NIGER DELTA UNIVERSITY TOWN'S SOLID WASTE-IMPACTED SOIL</p> <p>Hilary I. Owamah, Abigail M. kpakpovi, Sunday S. Ikpeseni: <i>Department of Civil Engineering, Delta State University, PMB 1, Abraka, Oleh Campus, Nigeria; owamah.hilary@gmail.com</i></p> <p>Anthony O. Onokwai: <i>Department of Mechanical Engineering, Bells University, Ota, Ogun State, Nigeria; onokwaianthony@gmail.com</i></p> <p>Morakinyo K. Onifade: <i>Department of Mechanical Engineering, Bells University, Ota, Ogun State, Nigeria; morakinyokehindeonifade@gmail.com</i></p>
	<p>CHARACTERIZATION AND OPTIMIZATION OF CARBONIZATION OF FLAMBOYANT TREE POD</p> <p>Oluwasanmi Iyiola Alonge, Precious Ayomide Oreoluwa, Adebunmi Peter Okediji, Ismaila Olanrewaju Alabi: <i>Department of Mechanical Engineering, Elizade University, Ilara-Mokin, Ondo State, Nigeria;</i> <i>oluwasanmi.alonge@elizadeuniversity.edu.ng</i></p> <p>Olusola Ayodele Oloruntoba: <i>Department of Automotive Engineering, Elizade University, Ilara-Mokin, Ondo State, Nigeria;</i> <i>Olusola.oloruntoba@elizadeuniversity.edu.ng</i></p>

1.00 pm – 2.00 pm	LUNCH BREAK
2.00 pm – 4.00 pm	PLENARY SESSION XVI (LTI)
Chairman/Rapporteur	Dr. David Ogunkan
	<p>SMART MICROGRID FOR SUSTAINABLE RESIDENTIAL ENERGY SYSTEM USING MULTI-AGENT ENERGY MANAGEMENT SYSTEM</p> <p>Abraham O. Amole, Adebimpe O. Adeyeye, Nosagieagbon O. Imarhiagbe and Ayomide Yusuf: <i>Department of Electrical, Electronic, and Telecommunication Engineering, Bells University of Technology, Ota, Ogun State; aoamole@bellsuniversity.edu.ng</i></p>
	<p>PREDICTION OF THE ADOPTION RATE OF RENEWABLE ENERGY IN SOUTH WESTERN NIGERIA</p> <p>Abraham Amole, Adebimpe Adeyeye, Nosagieagbon Imarhiagbe and Anuoluwapo Adeyanju: <i>Department of Electrical, Electronic and Telecommunication Engineering, Bells University of Technology, P.M.B 1015, Ota, Ogun State, Nigeria; aoadeyeye@bellsuniversity.edu.ng</i></p>
	<p>A REVIEW OF TRANSMISSION LINE FAULT DISTANCE AND DIRECTION ESTIMATION USING VARIOUS TECHNIQUES</p> <p>Hussein, S. Abiodun, Titilayo. A. Kuku: <i>Department of Electrical, Electronics and Telecommunication Engineering, Bells University of Technology, Ota, Ogun State. Nigeria</i></p>
	<p>REVIEW OF ENERGY REQUIREMENT ANALYSIS AND LOAD FORECASTING FOR A MEDIUM AGRO INDUSTRIAL-BASED FARM SETTLEMENT: A CASE STUDY OF OKE-AGBO AND IMOTA VILLAGES</p> <p>P.O. Olabisi and O. O. Fasipe: <i>Department of Electrical Electronics and Telecommunication Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; dimefashp@gmail.com, oladimeji.fasipe@bellsuniversity.edu.ng</i></p>
	<p>ENERGY TRANSITION: PRIVATE SECTOR INVESTMENT IN RENEWABLE ENERGY IN NIGERIA</p> <p>N. Sulaiman and O.V Mathew: <i>Department of Electrical Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; heavensdoor101@yahoo.com; ov@bellsuniversity.edu.ng</i></p>
	<p>DISTRIBUTION NETWORK LOSSES: A REVIEW OF DETECTION AND MITIGATION TECHNIQUES</p>

	Abraham O. Amole, Ademola I. Agoro, Oluwagbemiga E. Ajiboye and Adeyeye Adebimpe O.; <i>Department of Electrical, Electronics and Telecommunication Engineering, Bells University of Technology, Ota</i>
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2.00 pm – 4.00 pm	PLENARY SESSION XVII (LT2)
Chairman/Rapporteur	Dr. Stanley Ebrim
	<p>ANALYSIS OF THE MAINTENANCE AND RELIABILITY SYSTEM IN THE PRODUCTION PLANT: A CASE STUDY OF THE POLYVINYL CHLORIDE (PVC) PIPE EXTRUDER</p> <p>Chinedu A. K. Ezugwu, Kayode E. Ojo, Oluwafemi K. Ajewole, Adelana A. Adepoju: <i>Department of Mechatronics Engineering, Bells University of Technology, Ota, 1015, Ogun State, Nigeria;</i> caezugwu@bellsuniversity.edu.ng</p> <p>Morakinyo K. Onifade: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, 1015, Ogun State, Nigeria</i></p> <p>Ojo S. I. Fayomi: <i>Department of Mechanical Engineering Science, University of Johannesburg, Cnr Kingsway and University Roads, Auckland Park, 2092, Johannesburg, South Africa</i></p>
	<p>STUDIES ON MIXED CONVECTIVE HEAT TRANSFER IN ENCLOSURES OF VARIED GEOMETRY CONTAINING HEATED CYLINDERS</p> <p>C.J. Egemba and B.E. Anyaegbuna: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria;</i> nonsoegemba90@gmail.com, beanyaegbuna@bellsuniversity.edu.ng</p>
	<p>BLOCKCHAIN TECHNOLOGY ON SUPPLY CHAIN RESILIENCE IN MANUFACTURING SYSTEMS: A REVIEW</p> <p>Edet Kininyi Edubio, Desmond Eeseoghene Ighravwe and Sunday Ajayi: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; ighravwedesmond@gmail.com</i></p>
	<p>INHIBITION ACTION OF NON- ANIMAL DERIVED CHITOSAN ON THE CORROSION OF AISI 1015 MILD/ LOW CARBON STEEL In 3.5% w/v NaCl</p> <p>Isaac Ekere and Oluranti Agboola: <i>Chemical Engineering Department, Covenant University, Ota, Nigeria</i></p>
	<p>COMPUTATIONAL LOGIC FOR PROFFERING SOLUTIONS TO MULTI-CRITERIA SURROGATE PROBLEM IN MANUFACTURING EQUIPMENT PROCUREMENT UNDER LIMITED AVAILABLE BUDGET</p>

	<p>Oluwaseun Ojo, Suru Gbenu: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; ooojo@bellsuniversity.edu.ng</i></p> <p>Timothy Ojo, Basil Akinnuli: <i>Department of Industrial and Production Engineering, Federal University of Technology, Akure, Nigeria; toojo@futa.edu.ng</i></p>
	<p style="text-align: center;">COMPREHENSIVE REVIEW ON MODELLING AND OPTIMIZATION OF BUDGET ALLOCATION FOR PROCUREMENT OF ALTERNATIVE GAS SOURCES IN POWER PLANT INDUSTRY</p> <p>Oluwaseun Ojo, Adedeji Bamidele, and Desmond Ighravwe: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; ooojo@bellsuniversity.edu.ng</i></p> <p>Basil Akinnuli: <i>Department of Industrial and Production Engineering, Federal University of Technology, Akure, Nigeria; boakinnuli@futa.edu.ng</i></p>

2.00 pm – 4.00 pm	PLENARY SESSION XVIII (ARCH STUDIO I)
Chairman/Rapporteur	Dr. Oluwaseun Ojo
	<p style="text-align: center;">THE PROMOTION OF SYNERGY BETWEEN SUSTAINABILITY AND HERITAGE PRESERVATION</p> <p>Titilayo Anifowose, Marvellous Akanbi, David Odeyemi, Abdulrasak Tafa, Victor Orji, Ademola Hassan, Yusuf Ogundare: <i>Department of Architecture, Bells University of Technology, Ota; teanifowose@bellsuniversity.edu.ng</i></p>
	<p style="text-align: center;">EFFECTS OF SALT WATER ON THE COMPRESSIVE, FLEXURAL AND SPLIT TENSILE STRENGTH ON REINFORCED CONCRETE USING SEAWATER FROM BADAGRY BEACH</p> <p>Daniel Idusuyi, Ayoleyi Solomon, Ebenezer Akande, Adewoye Olanipekun, Stanley Ebirim, Abdulganiyu Raji, Suliat Oladiti, Oluwamunumidun Adebote: <i>Department of Civil and Environmental Engineering, Bells University of Technology, Ota, Nigeria; duidusuyi@bellsuniversity.edu.ng</i></p>
	<p style="text-align: center;">PARTIAL REPLACEMENT OF COARSE AGGREGATES WITH COCONUT SHELL AND POLYETHYLENE TEREPHTHALATE ON THE MECHANICAL PROPERTIES OF CONCRETE</p> <p>Adewoye Olanipekun, Ebenezer Akande, Oladiti Suliat, Daniel Idusuyi, Stanley Ebirim, Abdulganiyu Raji, Solomon Ayoleyi, Adebote Oluwamunumidun: <i>Department of Civil and Environmental Engineering, Bells University of Technology, P.M.B 1005, Ota, Ogun State. Nigeria; aaolanipekun@bellsuniversity.edu.ng</i></p>

	<p>STABILIZATION OF EXCAVATED SUBGRADE WITH LIME AND WOOD ASH FOR SUBBASE APPLICATION</p> <p>Adewoye Olanipekun, Oluwamunumidun Adebote, Adewale Adebote, Daniel Idusuyi, Oluwatomiwa Adebote, Oluwabori Adebote, Ebenezer Akande, Stanley Ebirim, Abdulganiyu Raji, Ayoleyi Solomon, and Motunrayo Oladiti: <i>Department of Civil and Environmental Engineering, Bells University of Technology, P.M.B 1005, Ota, Ogun State. Nigeria; aaolanipekun@bellsuniversity.edu.ng</i></p>
	<p>DESIGN AND CONSTRUCTION OF A COMPACT WATER TREATMENT PLANT USING BIOSAND FILTER AS THE FILTRATION SYSTEM</p> <p>Adewoye Olanipekun, Jesuloluwa Olatunji, Daniel Idusuyi, Ebenezer Akande, Abdulganiyu Raji, Ayoleyi Solomon, Oluwamunumidun Adebote, Suliat Oladiti: <i>Department of Civil and Environmental Engineering, Bells University of Technology, P.M.B 1005, Ota, Ogun State. Nigeria; aaolanipekun@bellsuniversity.edu.ng</i></p>
	<p>MODELLING OF THE MECHANICAL PROPERTIES OF HIGH-PERFORMANCE CONCRETE USING ARTIFICIAL NEURAL NETWORKS</p> <p>Abdulganiyu Raji, Adewoye Olanipekun, Olutosin Akintunde, Daniel Idusuyi, Stanley Ebirim, Ebenezer Akande, Jesuloluwa Olatunji: <i>Department of Civil and Environmental Engineering, Bells University of Technology, P.M.B 1005, Ota, Ogun State. Nigeria; aaolanipekun@bellsuniversity.edu.ng</i></p>

2.00 pm – 4.00 pm	PLENARY SESSION XIX (ARCH STUDIO II)
Chairman/Rapporteur	Engr. Abiodun Ogunsanya/ Engr. Osobukola
	<p>ICT: A PRIME MOVER AND CATALYTIC ACCELERATOR FOR EFFECTIVE SERVICE DELIVERY</p> <p>Oyedepo I. O. and Igbinosa Godwin.O. : <i>Department of Electrical, Electronic and Telecommunication Engineering, Bells University of Technology, PMB 1015, Ota, Ogun State, Nigeria; ismailaoyedepo@gmail.com</i></p>
	<p>ICT AS A TOOL FOR THE ENHANCEMENT OF E-DEMOCRACY FOR POLITICAL SECURITY</p> <p>John F.O. , Igbinosa G.O. : <i>Department of Electrical, Electronics and Telecommunication Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; Omotoshosola79@gmail.com, goigbinosa@bellsuniversity.edu.ng</i></p>

	<p align="center">BODY MASS INDEX CALCULATOR: IOT-BASED</p> <p>Philip A. Adewuyi, Christian I. Mbara, Stephen O. Ogunsola: <i>Mechatronics Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; paadewuyi@bellsuniversity.edu.ng</i></p>
	<p align="center">DEVELOPMENT OF A CONDITION MONITORING SYSTEM ON AN IN-SITU PIPELINE CONVEYING WATER</p> <p>Saheed Akande, Hope M. Ereomasara, Adeyinka O. M. Adeoye: <i>Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado Ekiti, 360001, Nigeria; ip.okokpujie@abuad.edu.ng</i> Imhade P. Okokpujie: <i>Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, Johannesburg, 2028, South Africa</i> Olufemi J. Dada: <i>Department of Electrical, Electronics and Computer Engineering, Afe Babalola University, Ado-Ekiti, Nigeria</i></p>
	<p align="center">DANGERS OF SOCIAL NETWORKING ON YOUTH</p> <p>Igbinosa Godwin O., and Kolapo A. O.; <i>Department of Electrical/Electronics and Telecommunication Engineering, Bells University of Technology. P.M.B 1015, Ota, Nigeria; adoork05@gmail.com</i></p>
	<p align="center">IMPACT ANALYSIS OF FILTER AND WRAPPER-BASED FEATURE SELECTION TECHNIQUES FOR WEBPAGES PHISHING ATTACKS IDENTIFICATION</p> <p>Patrick Olabisi, Bamidele Olukoya: <i>Department of Computer Engineering, Bells University of Technology, Ota, Nigeria; bmolukoya@bellsuniversity.edu.ng</i> Gabriel Ogunleye: <i>College of Engineering, Federal University, Oye-Ekiti, Nigeria</i> Adekunle Osobukola: <i>Electrical, Electronic and Telecommunication Engineering, Bells University of Technology, Ota, Nigeria</i></p>

2.00 pm – 4.00 pm	PLENARY SESSION XX (ARCH SEMINAR ROOM)
Chairman/Rapporteur	Dr. Olamide Olusanya/Mr. Patrick Onwordi
	<p align="center">INVESTIGATION OF THE MECHANICAL PROPERTIES OF CONCRETE MADE WITH PARTIAL REPLACEMENT OF FINE AGGREGATES USING IRON FILLING</p> <p>Adewoye Olanipekun, Olutosin Akintunde, Precious Yinusa, Daniel Idusuyi, Stanley Ebirim, Ebenezer Akande: <i>Department of Civil and Environmental Engineering, Bells University of Technology, P.M.B 1005, Ota, Ogun State. Nigeria; aaolanipekun@bellsuniversity.edu.ng</i></p>
	<p align="center">WASTE BLENDED INTERLOCKING FIRED BRICKS AS PAVEMENT ALTERNATIVE</p>

	<p>Olugbenga Oludolapo Amu, Christopher Ehizemhen Igibah: <i>Department of Civil Engineering, Federal University Oye-Ekiti State, Nigeria; Igibahchrist1@gmail.com</i></p>
	<p>SATISFACTION WITH HOUSING UNIT SUPPORT SERVICES OF THE PUBLIC SECTOR EMPLOYEE HOUSING SCHEMES IN LAGOS STATE, NIGERIA</p> <p>Adedotun Akinola, Adedapo Oluwatayo, Egidario Aduwo, Uzodinma Ugah: <i>Department of Architecture, Covenant University, Ogun State; adedotunakinola@covenantuniversity.edu.ng</i></p> <p>Eziyi Ibem: <i>Department of Architecture, University of Nigeria, Enugu Campus; eziyi.ibem@unn.edu.ng</i></p> <p>Akunnaya Opoko: <i>Department of Architecture, Bells University of Technology, Ogun State; pearlopko@yahoo.com</i></p>
	<p>INDIGENOUS ARCHITECTURE AND SUSTAINABLE COMMUNITIES DEVELOPMENT FOR IDPS IN NORTHEAST, NIGERIA: A LITERATURE REVIEW</p> <p>Adewole Segun Alabi, Dorothy Okeoghenemaro Awata, Yahaya Shuiabu Mohammed, and Joshua Chikadibia Utom: <i>Department of Architecture, Bells University of Technology, Ota, Ogun State, Nigeria; asalabi@bellsuniversity.edu.ng</i></p> <p>Amina Abdullatif Jaji: <i>Department of Architecture, University of Maiduguri, Borno State, Nigeria; ajokejaji@unimaid.edu.ng</i></p>
	<p>COST REDUCTION TECHNIQUES IN PUBLIC HIGHER EDUCATIONAL BUILDINGS IN SOUTHWESTERN NIGERIA: AWARENESS AMONG PROJECT PARTICIPANTS</p> <p>Olabosipo Ishola Fagbenle, Ayodeji Olubunmi Ogunde and Adebimpe Omorinsola Akerele: <i>Department of Building Technology, Covenant University, Nigeria; gbemisola.akinolapgs@stu.cu.edu.ng</i></p> <p>Gbemisola Ajoke Akinola: <i>Department of Quantity Surveying, The Federal Polytechnic Ilaro, Nigeria</i></p>
	<p>DESIGN STRATEGIES FOR THE DEVELOPMENT OF A SUSTAINABLE RESTAURANT IN LAGOS, NIGERIA</p> <p>Anthony Babatunde Sholanke, Deborah Ihunanya Anosike and Funmilola Josephine Oyeyipo: <i>Department of Architecture, Covenant University, Ota, Ogun State, Nigeria; deborah.anosikepgs@stu.cu.edu.ng</i></p>

DAY THREE: 21ST SEPTEMBER 2023

9.00am – 11.00am	PLENARY SESSION XXI (LTI)
Chairman/Rapporteur	Dr. Segun Alabi
	<p>REVIEW OF VOLTAGE STABILITY IMPROVEMENT ON POWER TRANSMISSION NETWORK IN NIGERIA</p> <p>Buraimo, Idris Adebayo, Olu Matthew: <i>Department of Electrical, Electronic and Telecommunication Engineering, Bells University of Technology. P.M.B 1015, Ota, Nigeria; Engrbayor001@gmail.com</i></p>
	<p>SYNERGIZING RENEWABLE ENERGY INTEGRATION FOR ENHANCED ENERGY MANAGEMENT AND CONTROL IN SMART GRIDS: A REVIEW</p> <p>Peter A. Gbadega and O. F. Akinmejiwa: <i>Department of Electrical/Electronic and Telecommunication Engineering, Bells University of Technology, P.M.B. 10 Ota, Ogun State, Nigeria; pagbadega@bellsuniversity.edu.ng, felixleo2etnik@gmail.com</i></p>
	<p>REVIEW ON PREDICTIVE MODEL FOR FORECAST OF RENEWABLE ENERGY OUTPUT: A CASE STUDY OF NATIONAL ORTHOPEDIC HOSPITAL, IGBOBI</p> <p>Olamide O. Olusanya: <i>Department of Computer Engineering, Bells University of Technology, Ota, Ogun State, Nigeria; ooolusanya@bellsuniversity.edu.ng</i> Olarinde Hakeem Olaiya: <i>Department of Electrical/Electronics and Telecommunication Engineering, Bells University of Technology, Ota, Ogun State, Nigeria</i></p>
	<p>INTEGRATION OF RENEWABLE ENERGY SOURCES INTO THE GRID: REVIEW OF THE IMPACTS AND MITIGATION TECHNIQUES</p> <p>Owolabi Bango, Amole Abraham: <i>Department of Electrical, Electronics and Telecommunication Engineering, Bells University of Technology, Ota</i> Olamide Olusanya: <i>Department of Computer Engineering, Bells University of Technology, Ota, Ogun State</i></p>
	<p>GEO THERMAL ENERGY POTENTIAL IN NIGERIA: AN OVERVIEW OF CHALLENGES AND PROSPECTS</p> <p>Oluremi Oyejide, Oluwakemi Efemena: <i>Department of Geology, Achievers University, Owo, Ondo State, Nigeria; oluremisuccess@gmail.com</i> Oluwaseun Akinyemi: <i>Department of Earth and Atmospheric Sciences, University of Houston, USA</i></p>

	<p align="center">A COMPREHENSIVE REVIEW OF BIOMASS CHARACTERIZATION TO ENHANCE PYROLYSIS YIELD</p> <p>A.O. Eruobodo, A.O. Onokwai, B.E. Anyaegbuna, O.E. Olayokun, D.I. Faola, I.O. Muslim, A.O. Adiatu: <i>Department of Mechanical Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; aoonokwai@bellsuniversity.edu.ng</i></p>
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9.00am – 11.00am	PLENARY SESSION XXII (LT2)
Chairman/Rapporteur	Dr. Ezekiel Omoniyi
	<p align="center">EXPERIMENTAL INVESTIGATION OF THE CONVEYOR BELT PARAMETRIC PROPERTY FOR BISCUIT INDUSTRY RELIABILITY MAINTENANCE PLANNING</p> <p>Desmond E. Ighravwe, Onyisi Ozuor: <i>Department of Mechanical Engineering, Bells University of Technology, P.M.B 1015, Ota, Nigeria; ighravweddesmond@gmail.com</i></p> <p>Daniel O. Aikhuele: <i>Department of Mechanical Engineering, University of Port Harcourt, P.M.B 5323, Choba, Nigeria</i></p> <p>O. O. Joseph, O. P. Babalola: <i>Department of Mechanical Engineering, Covenant University, P.M.B 1023, Ota, Nigeria</i></p>
	<p align="center">A REVIEW OF INDUSTRY 4.0 IMPLEMENTATION IN NIGERIA</p> <p>Eloho Omijie, Morakinyo Onifade and Desmond Ighravwe: <i>Department of Mechanical Engineering, Bells University of Technology, Ota; eloviny@gmail.com</i></p>
	<p align="center">A COMPARATIVE ANALYSIS OF EVALUATION CRITERIA FOR PORT-CENTRIC SUPPLY CHAIN DISRUPTION MANAGEMENT IN THE MARITIME INDUSTRY</p> <p>Enediabasi Asukwo Etangetuk: <i>Maritime Safety Department, Nigerian Maritime Administration and Safety Agency</i></p> <p>Desmond Eseoghene Ighravwe, Sunday Thomas Ajayi: <i>Department of Mechanical Engineering, Bells University of Technology, Ota; ighravweddesmond@gmail.com</i></p> <p>Daniel Osezua Aikhuele: <i>Department of Mechanical Engineering, University of Port Harcourt</i></p>
	<p align="center">EVALUATION OF OPPORTUNISTIC MAINTENANCE STRATEGIES FOR PLANNED MAINTENANCE ACTIVITIES IN PRODUCTION SYSTEMS</p> <p>Patrick Ifeanyi Ike, Desmond Eseoghene Ighravwe, Sunday Thomas Ajayi and Oluwaseun Ojo: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, ighravweddesmond@gmail.com</i></p>

	<p>INVESTIGATION OF THE MECHANICAL PROPERTIES OF HIGH-STRENGTH CONCRETE PRODUCED FROM ALKALI RESISTANT GLASS FIBERS AND FLY ASH</p> <p>Olutosin Akintunde: <i>Department of Civil Engineering, University of Ibadan, Ibadan, Nigeria; akintt18@gmail.com</i></p> <p>Abdulganiyu Raji, Adewoye Olanipekun, Daniel Idusuyi, Stanley Ebirim, Ebenezer Akande: <i>Department of Civil Engineering, Bells University of Technology, Ota</i></p>
	<p>A REVIEW OF THE STUDY OF HEAT TREATMENT ON THE MECHANICAL PROPERTIES OF LOW-CARBON STEEL MATERIAL</p> <p>Ibrahim A. Ibrahim, Adeyinka O. Adeoye; <i>Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado Ekiti, 360001, Nigeria; ip.okokpujie@abuad.edu.ng; ibrahimabdullahi.ii59@gmail.com</i></p> <p>Imhade P. Okokpujie; <i>Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, Johannesburg, 2028, South Africa</i></p> <p>Emeka S. Nnochiri; <i>Department of Civil Engineering, Afe Babalola University, Ado Ekiti, Nigeria; nnochiri.emeka@abuad.edu.ng</i></p> <p>Joseph O. Dirisu; <i>Department of Mechanical Engineering, Covenant University, Ota, Nigeria</i></p>

9.00am – 11.00am	PLENARY SESSION XXIII (ARCH STUDIO I)
Chairman/Rapporteur	Dr. David Ogunkan
	<p>EFFECT OF ROAD EXPANSION ON RESIDENTIAL PROPERTY RENTAL VALUE: EXPERIENCE FROM NIGERIA</p> <p>Oyedeji, Joseph Oyewale and Olorunnisola, Abiola Oluwasegun: <i>Estate Management Department, Bells University of Technology, Ota, jooyedeji@bellsuniversity.edu.ng</i></p>
	<p>A STUDY OF SPATIAL ERGONOMICS IN VETERINARY CLINICS IN OGUN STATE, NIGERIA</p> <p>Etu E. Kindness, Adebakin E. Taiwo, Okon E. Michael, Sowemimo D. Hanif, and Oyedele I. Olabode: <i>Department of Architecture, Bells University of Technology, Ota, Ogun State; Teadebakin@bellsuniversity.edu.ng</i></p>
	<p>DETERMINATION OF THE SHELF LIFE OF PACKAGED (SACHET AND BOTTLED) WATER IN BELLS UNIVERSITY COMMUNITY</p> <p>Adewoye Olanipekun, Precious Yinusa, Daniel Idusuyi, Ebenezer Akande, Stanley Ebirim, Ayoleyi Solomon, Suliat Oladiti: <i>Department of</i></p>

	<p><i>Civil and Environmental Engineering, Bells University of Technology, Ota, Nigeria; aaolanipekun@bellsuniversity.edu.ng</i></p>
	<p>ROLES OF AI IN ENHANCING PUBLIC BUILDING MAINTENANCE AND OCCUPANTS SATISFACTION: A REVIEW</p> <p>James A. Ajayi, Desmond E. Ighravwe, Sunday T. Ajayi and Oluwaseun O. Ojo: <i>Department of Mechanical Engineering, Bells University of Technology, Ota; deighravwe@bellsuniveristy.edu.ng</i></p>
	<p>REVIEW OF LIGHTING STRATEGIES FOR ENHANCING USERS' EXPERIENCE AND ACHIEVING ENVIRONMENTAL SUSTAINABILITY IN ART MUSEUMS</p> <p>Funmilola Josephine Oyeyipo, Anthony Babatunde Sholanke, Deborah Ihunanya Anosike: <i>Department of Architecture, Covenant University, Ota, Ogun State, Nigeria; funmilola.oyeyipopgs@stu.cu.edu.ng</i></p>
	<p>THE ROLE OF INCOME IN THE CHOICE OF HOUSING TYPOLOGY IN SUBURBAN OTA, OGUN STATE, NIGERIA</p> <p>T. O. Alagbe: <i>Department of Architecture, Bells University of Technology, Ota, Ogun State; toalagbe@bellsuniversity.edu.ng</i> E. B. Jaiyeoba: <i>Obafemi Awolowo University, Ile-Ife, Osun State;</i> O. A. Alagbe, O. A. Adebayo: <i>Caleb University, Imota, Lagos State</i></p>

9.00am – 11.00am	PLENARY SESSION XXIV (ARCH STUDIO II)
Chairman/Rapporteur	Dr. Peter Gbadega
	<p>EVALUATING LATENCY OF VIDEO STREAMING OVER AVAILABLE 4G WIRELESS CELLULAR NETWORKS</p> <p>Patrick Olabisi, Oluwafemi Emmanuel and Adesoye Adegoke: <i>Department of Computer Engineering, Bells University of Technology, Ota, Nigeria; poolabisi@bellsuniversity.edu.ng</i></p>
	<p>THE IMPACTS OF INFORMATION AND COMMUNICATION TECHNOLOGY ON BROADCASTING SYSTEMS IN NIGERIA: A REVIEW</p> <p>Ademola P. Olagunju, Godwin Igbinosa, Abayomi A Oke Favour Jolayemi: <i>Department of Electrical/Electronics and Telecommunication Engineering, Bells University of Technology, P.M.B 1005, Ota, Ogun State. Nigeria</i></p>
	<p>ICT: PROMOTING EDUCATIONAL SYSTEM</p> <p>Umezurike M. O. and Igbinosa Godwin. O.: <i>Department of Electrical/Electronics and Telecommunication Engineering, Bells University</i></p>

	<p><i>of Technology, PMB 1015, Ota, Ogun State, Nigeria;</i> goigbinosa@bellsuniversity.edu.ng</p>
	<p>DEVELOPMENT OF AN AUTONOMOUS CONTROL OF INTELLIGENT HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) SYSTEMS THROUGH MULTIPLE OCCUPANTS</p> <p>Patrick Olabisi and Olusola Odedokun: <i>Department of Electrical, Electronic and Telecommunication Engineering, Bells University of Technology, Ota, Nigeria; poolabisi@bellsuniversity.edu.ng</i></p>
	<p>COUCH POTATO SYNDROME: A CASE STUDY OF MEDIA INDULGENCE AND READING PROCRASTINATION AMONG JUPEB STUDENTS AT BELLS UNIVERSITY OF TECHNOLOGY</p> <p>Sola E. Owolabi, Felicia O. Yusuf, Omolara O. Akinlade: <i>University Library, Bells University of Technology, Ota, Ogun State; seowolabi@bellsuniversity.edu.ng</i></p> <p>Anjolaoluwa F. Yusuf: <i>Department of Architecture, Bells University of Technology, Ota, Ogun State, Nigeria</i></p>
	<p>DESIGN AND IMPLEMENTATION OF A FINGERPRINT-BASED STUDENT ATTENDANCE SYSTEM</p> <p>Elegbede Adedayo Wasiat, Olusanya Olamide Omolara, Sodipo Queen Busayo, Sam-Leeloo Tambari Ayotunde: <i>Department of Computer Engineering, Bells University of Technology, Ota, Ogun State, Nigeria</i></p>

9.00am – 11.00am	PLENARY SESSION XXV (ARCH SEMINAR ROOM)
Chairman/Rapporteur	Dr. Joseph Oyebanji
	<p>IMPACT OF CONDITION MONITORING OF GAS AND CRUDE OIL PIPELINES FOR SUSTAINABLE PRODUCTION LINES USING VARIABLE SENSOR: A REVIEW</p> <p>Oghenemaro Avwunu: <i>Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado Ekiti, 360001, Nigeria; ip.okokpujie@abuad.edu.ng</i></p> <p>Imhade P. Okokpujie: <i>Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, Johannesburg, 2028, South Africa</i></p> <p>Jude Ebieladoh Sinebe: <i>Department of Mechanical Engineering, Delta State University, Delta State, Abraka, 330105, Nigeria</i></p>
	<p>STUDY OF ALUMINA PARTICLES AS A SUSTAINABLE REINFORCEMENT MATERIAL FOR ALUMINIUM COMPOSITE MANUFACTURING</p>

	<p>Olamide F. Olotu, Saheed Akande, Emmanuel I. Ughapu: <i>Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado Ekiti, 360001, Nigeria; ip.okokpujie@abuad.edu.ng</i></p> <p>Imhade P. Okokpujie: <i>Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, Johannesburg, 2028, South Africa</i></p> <p>Roselyn E. Subair: <i>University Librarian, Afe Babalola University, Ado-Ekiti, 360001, Nigeria</i></p>
	<p>TIME SERIES ANALYSIS OF MAINTENANCE DATA: A CASE STUDY OF A REFINERY IN NIGERIA</p> <p>Morakinyo Kehinde Onifade and Lillian Bejimwa Musa: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Ogun State, Nigeria; kmonifade@bellsuniversity.edu.ng</i></p>
	<p>A REVIEW OF RISK ASSESSMENT DRIVEN APPROACH FOR POWER TRANSFORMER REPLACEMENT THAT CONSIDERS TEMPERATURE, APPARENT AGE AND PROJECTED CAPACITY</p> <p>Patrick O. Olabisi and Oluseyi I. Onabajo: <i>Department of Electrical, Electronic and Telecommunication Engineering, Bells University of Technology, Ota, Nigeria; poolabisi@bellsuniversity.edu.ng</i></p>
	<p>EVALUATION OF SUPPLY CHAIN CRITERIA FOR INDUSTRY 4.0 TECHNOLOGY IMPLEMENTATION THROUGH WORKFORCE TRAINING</p> <p>Dare Adedeji Adekanmbi, Sunday Thomas Ajayi, Desmond Eseoghene Ighravwe: <i>Department of Mechanical Engineering, Bells University of Technology, Ota; adekanmbidare@gmail.com</i></p> <p>Enediabasi Asukwo Etangetuk: <i>Maritime Safety Department, Nigerian Maritime Administration and Safety Agency</i></p> <p>Opeyme Oyeypoo: <i>Department of Quantity Survey, Bells University of Technology, oyeypoo@gmail.com</i></p>

11.30 am – 12.00 noon	TEA/COFFEE BREAK
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12.00 noon – 1.00 pm	PLENARY SESSION XXVI (LTI)
Chairman/Rapporteur	Miss Akintayo Ayodunni
	ESTIMATION OF THE IMPACT OF SEVERE INDUSTRIAL AND ENVIRONMENTAL CONDITIONS FACED BY THE PROGRAMMABLE LOGIC CONTROLLER

	<p>Daniel O. Aikhuele, Harold U. Nwosu and Alenju F. Obele: <i>Department of Mechanical Engineering, University of Port Harcourt, East-West Road, Port Harcourt; danbishop@yahoo.co.uk, haroldnwosu@gmail.com, alenjuobele@yahoo.com</i></p>
	<p>ASSESSMENT OF GAUSSIAN DISTRIBUTION PATTERN OF POLLUTANTS IN LAFARGE CEMENT FACTORY SAGAMU, OGUN STATE, NIGERIA</p> <p>Oluwatoyin Ajayi, Ben Ngene, Adebajji Ogbiye; <i>Department of Civil Engineering, Covenant University Ota, Ogun State; oluwatoyin.ajayi@stu.cu.edu.ng</i></p> <p>Gabriel Olaoye; <i>Department of Architecture, Caleb University, Imota Lagos State; toyin.ajayi@calebuniversity.edu.ng</i></p>
	<p>CORROSION RESPONSES UNDER TEMPERATURE VARIATION OF EQUIATOMIC HIGH ENTROPY ALLOY FORMATION THROUGH STIR CASTING</p> <p>Benjamin E. Anyaegbuna, Olayemi O. Faboyinde Anthony O. Onokwai: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; beanyaegbuna@bellsuniversity.edu.ng</i></p> <p>Ojo S. Fayomi: <i>Faculty of Engineering and Built Environment, University of Johannesburg, Auckland Park, P. O. Box 534, Johannesburg, South Africa; osfayomi@bellsuniversity.edu.ng</i></p>

12.00 noon – 1.00 pm	PLENARY SESSION XXVII (LT2)
Chairman/Rapporteur	Miss Adebimpe Adeyeye
	<p>AN IN-DEPTH REVIEW OF BIOMASS FOR SUSTAINABLE ENERGY GENERATION IN NIGERIA'S CONTEXT</p> <p>Benjamin E. Anyaegbuna, Anthony O. Onokwai, David I. Faola, Ezekiel B. Omoniyi: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; beanyaegbuna@bellsuniversity.edu.ng</i></p> <p>Princess I. Okopuijie: <i>Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado-Ekiti, Nigeria; ip.okokpuijie@abuad.edu.ng</i></p> <p>Innocent C. Osuizugbo: <i>Department of Building Technology, Bells University of Technology, Ota, Nigeria; icosuizugbo@yahoo.com</i></p> <p>Abraham O. Amole: <i>Department of Electrical and Electronic and Telecommunication Engineering, Bells University of Technology, Ota, Nigeria; aoamole@bellsuniversity.edu.ng</i></p>
	<p>A COMPREHENSIVE REVIEW OF EVALUATING ENERGY CONSERVATION POTENTIAL IN COLLEGE BUILDINGS USING MULTIPLE CRITERIA</p>

	<p>Benjamin .E. Anyaegbuna, Ojo S. Fayomi, Anthony O. Onokwai: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; beanyaegbuna@bellsuniversity.edu.ng</i></p> <p>Adedapo .S. Okunade: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; sikiruokunade@yahoo.com</i></p>
	<p align="center">BIOMASS AS A RENEWABLE ENERGY FOR SUSTAINABLE ENVIRONMENT: A REVIEW</p> <p>Benjamin E. Anyaegbuna, Anthony O. Onokwai, Ololade E. Olayokun, Joseph A. Oyebanji, Ezekiel B. Omoniyi: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; beanyaegbuna@bellsuniversity.edu.ng</i></p> <p>Ejiroghene Onokpite: <i>Department of Mechanical Engineering Delta State Polytechnic, Otefe-Oghara, Nigeria; ejiro4christ@yahoo.com</i></p> <p>Innocent C. Osuizugbo: <i>Department of Building Technology, Bells University of Technology, Ota, Nigeria; icosuizugbo@yahoo.com</i></p>

12.00 noon – 1.00 pm	PLENARY SESSION XXVIII (ARCH STUDIO I)
Chairman/Rapporteur	Engr. Idowu Ojerinde
	<p align="center">SUSTAINABLE BIOMASS ENERGY IN NIGERIA: A THERMOCHEMICAL CONVERSION COMPREHENSIVE REVIEW</p> <p>Anthony O. Onokwai: Benjamin E. Anyaegbuna, Ibrahim O. Muslim; <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; onokwaianthony@gmail.com</i></p> <p>Princess I. Okopuijie: <i>Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado-Ekiti, Nigeria; ip.okopuijie@abuad.edu.ng</i></p> <p>Abraham Amole: <i>Department of Electrical, Electronics and Telecommunication Engineering, Bells University of Technology, Ota, Nigeria; aoamole@bellsuniversity.edu.ng</i></p> <p>Hilary I. Owamah: <i>Department of Civil Engineering, Delta State University, PMB 1, Abraka, Oleh Campus, Nigeria; owamah.hilary@gmail.com</i></p> <p>Christian O. Osueke: <i>Department of Mechatronics Engineering, Bowen University, Iwo Nigeria; profkrisosueke@gmail.com</i></p>
	<p align="center">PARAMETRIC INVESTIGATION INTO ELECTROMECHANICAL COUPLING FACTOR FOR NANOSTRUCTURED PVDF-ZNO-TIO₂ PIEZOELECTRIC HYBRIDS MATERIALS</p> <p>Oluwafemi K. Ajewole, Olatunji R Salaudeen, Olamigoke Oguneso: <i>Department of Mechatronics Engineering, Bells University of Technology, P.M.B. 1015, Ota, Ogun State, Nigeria; okajewole@bellsuniversity.edu.ng</i></p>

	<p>Ojo S. Fayomi: <i>Faculty of Engineering and Built Environment, University of Johannesburg, Auckland Park, P. O. Box 534, Johannesburg, South Africa</i></p>
	<p>EFFECT OF LOW SILICON CARBON PARTICULATE ON MECHANICAL PROPERTIES OF HIGH GRADE ALLOY</p> <p>Joseph A. Oyebanji, Ojo S. Fayomi, Sunday T. Ajayi, Anthony O. Onokwai, Benjamin E. Anyaegbuna: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; jaoyebanji@bellsuniversity.edu.ng</i></p> <p>Daniel O. Aikhuele: <i>Department of Mechanical Engineering University of Porthacourt, Nigeria; danbishop_22@yahoo.co.uk</i></p> <p>Kayode E. Ojo: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; keojo@bellsuniversity.edu.ng</i></p>

12.00 noon – 1.00 pm	PLENARY SESSION XXIX (ARCH STUDIO II)
Chairman/Rapporteur	Engr. Daniel Idusuyi
	<p>OPTIMIZING DIESEL ENGINE EMISSION CONTROL VIA RESPONSE SURFACE METHODOLOGY AND ORGANIC RANKINE CYCLE: REVIEW</p> <p>Anthony O. Onokwai, Morakinyo K. Onifade, Umo-otong S. Ekong, Joseph A. Oyebanji, Benjamin E. Anyaegbuna, Desmond E. Ighravwe: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; onokwaianthony@gmail.com</i></p> <p>Ejiroghene Onokpite: <i>Department of Mechanical Engineering Delta State Polytechnic, Otefe-Oghara, Nigeria; ejiro4christ@yahoo.com</i></p>
	<p>REVIEWING THE UTILIZATION OF A ROAD-INTEGRATED MOVABLE SPEED BUMP FOR MECHANICAL ENERGY HARVESTING ANALYSIS</p> <p>Anthony O. Onokwai, Morakinyo K. Onifade, Umo-otong S. Ekong, Desmond E. Ighravwe, Benjamin E. Anyaegbuna, Sunday O. Fayomi: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; onokwaianthony@gmail.com</i></p> <p>Ejiroghene Onokpite: <i>Department of Mechanical Engineering Delta State Polytechnic, Otefe-Oghara, Nigeria; ejiro4christ@yahoo.com</i></p> <p>Christian O. Osueke: <i>Department of Mechatronics Engineering, Bowen University, Iwo Nigeria; profkrisosueke@gmail.com</i></p> <p>Hilary I. Owamah: <i>Department of Civil Engineering, Delta State University, PMB 1, Abraka, Oleh Campus, Nigeria; owamah.hilary@gmail.com</i></p>
	<p>A REVIEW ON DEVELOPMENT AND SYNTHESIS OF CARBON RICH FILLER ON DROSS ALLOY FOR BUILDING CEILING</p>

	Benjamin E. Anyaegbuna, Gideon I. Samuel, Ojo S. Fayomi, Anthony O. Onokwai: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; beanyaegbuna@bellsuniversity.edu.ng</i>
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12.00 noon – 1.00 pm	PLENARY SESSION XXX (ARCH SEMINAR ROOM)
Chairman/Rapporteur	Engr. Abiodun Ogunsanya
	<p>ANALYSIS OF ENERGY AND EXERGY IN GAS POWER PLANTS: A COMPREHENSIVE REVIEW</p> <p>Anthony O. Onokwai, Morakinyo K. Onifade, Benjamin E. Anyaegbuna, Joseph A. Oyebanji, Emmanuel A. Elemo: <i>Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria; onokwaianthony@gmail.com</i></p> <p>Hilary I. Owamah: <i>Department of Civil Engineering, Delta State University, PMB 1, Abraka, Oleh Campus, Nigeria; owamah.hilary@gmail.com</i></p> <p>Christian O. Osueke: <i>Department of Mechatronics Engineering, Bowen University, Iwo Nigeria; profkrisosueke@gmail.com</i></p> <p>Princess I. Okopuijie: <i>Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado-Ekiti, Nigeria; ip.okokpujie@abuad.edu.ng</i></p> <p>Abraham O. Amole: <i>Department of Electrical and Electronic and Telecommunication Engineering, Bells University of Technology, Ota, Nigeria; aoamole@bellsuniversity.edu.ng</i></p> <p>A REVIEW OF THE IMPACT OF BIOPHILIC DESIGN ON USERS WITHIN THE BUILT ENVIRONMENT</p> <p>Alabi, O.A. , Adebakin, T.E. , Alabi, A.S. , Jolaoso, K.B. , Olagunju, M.O. , Otuneye, O.B. , Oghenekaro, O.P. , Banjo, R. K. , Agbaje-sisu, U.A. , Imafidon, E.O. , Oyenuga, A.O. : <i>Department of Architecture, Bells University of Technology, Ota, Ogun State, Nigeria</i></p> <p>Akintoye, O.O: <i>Department of Architecture, Crescent University, Abeokuta, Ogun State, Nigeria; asalabi@bellsuniversity.edu.ng, teadebakin@bellsuniversity.edu.ng</i></p> <p>EVALUATION OF HOUSING NEEDS AND RESIDENTIAL BUILDINGS' DESIGN IN MUSHIN LOCAL GOVERNMENT AREA, LAGOS STATE</p> <p>Kuti, S.A. , Alabi A. S. , Alabi O. A. , Adebakin, T. E. , and Iyare, O. O. : <i>Department of Architecture, Bells University of Technology, Ota, Ogun State, Nigeria; asalabi@bellsuniversity.edu.ng</i></p>

9.00 am – 1.00 pm	PLENARY SESSION XXXI (BUPF)
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Chairman/Rapporteur	Prof. Sunday Oyedepo
	<p data-bbox="521 254 1471 359">ASSESSING CURRENT HEALTH AND SAFETY PRACTICES IN THE CONSTRUCTION INDUSTRY IN THE FOURTH INDUSTRY REVOLUTION</p> <p data-bbox="493 363 1498 468">Oluwarotimi Gbenga Abina, Babatunde Fatai Ogunbayo and Clinton Aigbavboa; <i>Centre of Excellence, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa;</i> timiabina@gmail.com</p> <p data-bbox="493 472 1498 541">HEALTH AND SAFETY PRACTICES STRATEGIES IMPLEMENTATION IN THE FOURTH INDUSTRIAL REVOLUTION</p> <p data-bbox="493 546 1498 651">Oluwarotimi Gbenga Abina, Babatunde Fatai Ogunbayo and Clinton Aigbavboa, <i>Centre of Excellence, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa;</i> timiabina@gmail.com</p> <p data-bbox="548 655 1443 724">STRATEGIES FOR SUCCESSFUL MONITORING AND EVALUATION PRACTICES IN CONSTRUCTION PROJECTS</p> <p data-bbox="493 728 1498 833">Babatunde Fatai Ogunbayo, Clinton Aigbavboa, Bukola Adejoke Adewale <i>Centre of Excellence, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa;</i> tundeogunbayo7@gmail.com</p> <p data-bbox="493 837 1498 945">Molusiwa Stephen Ramabodu; <i>Department of Construction Management and Quantity Surveying, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa,</i></p> <p data-bbox="493 949 1498 1018">Kunle Elizah Ogundipe; <i>Department of Architecture, Covenant University, Ota, Nigeria;</i> bukola.adewale@covenantuniversity.edu.ng</p> <p data-bbox="508 1022 1484 1092">ASSESSING MONITORING AND EVALUATION EFFECTIVENESS FOR PROJECTS IN THE CONSTRUCTION INDUSTRY</p> <p data-bbox="493 1096 1498 1201">Babatunde Fatai Ogunbayo, Clinton Aigbavboa; <i>Centre of Excellence, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa;</i> tundeogunbayo7@gmail.com</p> <p data-bbox="493 1205 1382 1274">Sa'id Ahmed; <i>School of Engineering and the Environment, Kingston University, London, United Kingdom,</i></p> <p data-bbox="493 1278 1479 1348">Matt Stevens; <i>School of Engineering, Design & Built Environment, Western Sydney University, Australia</i></p> <p data-bbox="508 1352 1484 1497">EFFECT OF ALLOYING ELEMENTS SI AND TI ON THE PHASE EVOLUTION AND NANOINDENTATION CHARACTERISTICS OF ARC-MELTED ALCUFENISI AND ALCUFENITI HIGH ENTROPY ALLOYS FOR ENERGY STRUCTURAL APPLICATIONS</p> <p data-bbox="493 1501 1498 1606">Modupeola Dada and Patricia Popoola; <i>Chemical Metallurgical and Materials Engineering, Tshwane University of Technology;</i> DadaMO@tut.ac.za</p> <p data-bbox="521 1610 1471 1680">ENCUMBRANCES TO SOCIAL MEDIA APPLICATIONS IN THE SOUTH AFRICAN CONSTRUCTION INDUSTRY</p> <p data-bbox="493 1684 1498 1789">Olusegun Oguntona; <i>Department of Built Environment, Faculty of Engineering and Technology, Walter Sisulu University, Butterworth, South Africa;</i> architectoguntona12@gmail.com</p> <p data-bbox="493 1793 1498 1862">Usiphile Ndoda, Opeoluwa Akinradewo, Babatunde Ogunbayo, and Clinton Aigbavboa; <i>Centre of Excellence and Sustainable Human Settlement</i></p>

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THE IMPACTS OF ENVIRONMENTAL CONDITIONS ON THE OUTPUT POWER EFFICIENCY OF PHOTOVOLTAIC (PV) SOLAR MODULES

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Esther Titilayo Akinlabi; *Department of Mechanical Engineering, Northumbria University, UK,*

Chigbo Mgbemene; *Department of Mechanical Engineering, University of Nigeria, Nigeria*

THE TECHNOLOGY OF MAXIMUM POWER POINT TRACKING (MPPT): A COMPARATIVE REVIEW

Emmanuel Olusegun Ogundimu, Coneth Graham Richards, Pieter Johannes Ehlers, Bolanle T Abe; *Department of Electrical Engineering, Tshwane University of Technology, South Africa ogundimueo@tut.ac.za*

LOAD POINT RELIABILITY ASSESSMENT OF 11kV FEEDER: A CASE STUDY OF CANAL 11kV FEEDER

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BARRIERS TO LOW CARBON RETROFITTING OF HIGHER EDUCATIONAL BUILDING PROJECTS

Ayobami Oluwaseun Idowu; *Auchi Polytechnic, Auchi Edo State Nigeria, Ayobami Oluwaseun Idowu, Douglas Aghimien, Clinton Aigbavboa;* *Sustainable Human Settlement and Construction Research Centre, Faculty of Engineering and the Built Environment, University of Johannesburg, Johannesburg, South Africa; ay42k@yahoo.com*

Ayodeji Emmanuel Oke; *Department of Quantity Surveying, Federal University of Technology, Akure Nigeria*

ENVIRONMENTAL IMPACT OF CARBON EMISSION IN THE SOUTH AFRICAN CONSTRUCTION INDUSTRY

Ayobami Oluwaseun Idowu; *Auchi Polytechnic, Auchi Edo State Nigeria, Ayobami Oluwaseun Idowu, Clinton Aigbavboa, Babatunde Fatai Ogunbayo, Ayodeji Emmanuel Oke;* *Sustainable Human Settlement and Construction Research Centre, Faculty of Engineering and the Built Environment, University of Johannesburg, Johannesburg, South Africa; ay42k@yahoo.com*

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BENEFITS OF GREEN BUILDING COLLABORATIVE NETWORKS TOWARDS THE ATTAINMENT OF SUSTAINABLE DEVELOPMENT GOALS IN SOUTH AFRICA

Olusegun Oguntona; *Department of Built Environment, Faculty of Engineering and Technology, Walter Sisulu University, Butterworth, South Africa;* oguntona@wsu.ac.za

Keamogetswe Maluleke, Opeoluwa Akinradewo and Clinton Aigbavboa; *Centre of Excellence and Sustainable Human Settlement and Construction Research Centre, University of Johannesburg, Johannesburg, South Africa*

WEAR CHARACTERISTICS OF ELECTRO-DEPOSITED Ni-Cu-In NANOPARTICLE COATINGS FOR AUTOMOTIVE APPLICATION

Vincent Tau, Patricia Popoola, Ojo S. Fayomi, Chris Fayomi, Rudolf Kayane, Dada Modupeola; *Chemical, Metallurgical and Materials Engineering, Tshwane University of Technology, Pretoria, 0183, South Africa*

EVALUATION OF MECHANICAL AND ELECTROCHEMICAL PERFORMANCE OF ARC-MELTED AlVCrFeNi HIGH ENTROPY ALLOY

L.R. Kanyane, A.P.I Popoola, N. Malatji and M. Dada; *Department of Chemical, Metallurgical and Materials Engineering, Tshwane University of Technology, P.M.B. X680, Pretoria, South Africa*

INCENTIVES BUDGET PLANNING: SIGNIFICANT ATTRIBUTES IN DESIGNING SAFETY INCENTIVES FRAMEWORK IN THE CONSTRUCTION INDUSTRY

Kunle Ogundipe, Babatunde Ogunbayo and Clinton Aigbavboa; *Centre of Excellence & Sustainable Human Settlement and Construction Research Centre, Department of Construction Management & Quantity Surveying, University of Johannesburg, South Africa;* kunleogundipe1029@gmail.com

CHARCOAL PRODUCTION IN MARYLAND COUNTY, LIBERIA: PRODUCERS' TREE SPECIES PREFERENCE

Adebayo Samuel Olabisi, Ayokunle O. Balogun, Rotimi R. Ibikunle; *Department of Mechanical Engineering, Landmark University, Omu-Aran, Nigeria;* bayolabisi77@gmail.com

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Ejiroghene onokpite; *Department of Mechanical Engineering, Delta State Polytechnic, Oghara-Otefe, Nigeria*

Anthony O. Onokwai; *Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria*

A REVIEW OF APPLICABLE APPROACHES TO SAFETY INCENTIVE SCHEMES DESIGN IN THE CONSTRUCTION INDUSTRY

Kunle Ogundipe, Clinton Aigbavboa and Babatunde Ogunbayo; *Centre of Excellence & Sustainable Human Settlement and Construction Research Centre, Department of Construction Management & Quantity Surveying, University of Johannesburg, South Africa;* kunleogundipe1029@gmail.com

**PERFORMANCE EVALUATION OF TiO₂ AND Al₂O₃
NANOMIXTURE WITH ENVIRONMENTALLY REFRIGERANT IN
REFRIGERATION**

D.M Madyira and T.O Babarinde; *Department of Mechanical Engineering
Science, University of Johannesburg, Johannesburg, South Africa*

**REPLACEMENT OF HALOGENATED REFRIGERANTS WITH
ENVIRONMENTALLY FRIENDLY ALTERNATIVES IN
REFRIGERATION AND AIR CONDITIONING SYSTEMS: A MINI
REVIEW**

Taiwo O. Babarinde and Daniel M. Madyira; *Department of Mechanical
Engineering Science, University of Johannesburg, Johannesburg, South Africa*

**EXPERIMENTAL STUDY OF THE ELECTRICAL CONDUCTIVITY
AND THERMAL CONDUCTIVITY PROPERTY OF MICRO-BASED
Al-Cu-Nb-Mo ALLOY**

Chukwunonso Uwa; *Department of Mechanical and Mechatronics
Engineering, Tshwane University of Technology, Pretoria, South Africa;*

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Uwa and Sadiku Rotimi; *Institute of Nano Engineering Research and
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University of Technology, Pretoria, South Africa*

**DESIGN AND PERFORMANCE EVALUATION OF PYROLYSIS
PLANT**

**Anthony O. Onokwai Benjamin E. Anyaegbuna, Arafat O. Adiatu Ojo S.
Fayomi;** *Department of Mechanical Engineering, Bells University of
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Engineering, Afe Babalola University, Ado-Ekiti, Nigeria,*

Hilary I. Owamah; *Department of Civil & Environmental Engineering,
Faculty of Engineering, University of Lagos, Lagos, Nigeria;*

**DEVELOPMENT OF OPTIMAL MAINTENANCE FRAMEWORK
FOR A LOGISTIC COMPANY**

Morakinyo K. Onifade, Anthony O. Onokwai, Etudor N Ekpo; *Department
of Mechanical Engineering, Bells University of Technology, Ota, Nigeria;
morakinyokehindeonifade@gmail.com*

**TENSILE STRENGTH PROPERTY OPTIMIZATION OF TUNGSTEN
INERT GAS WELDING PROCESS ON STEEL CHIP REINFORCED
COPPER COMPOSITE JOINT**

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State Polytechnic, Ogwashi-Uku, Nigeria; emifoniye.elvis@mydspg.edu.ng*

Anthony O. Onokwai, Benjamin E. Anyaegbuna; *Department of Mechanical Engineering, Bells University of Technology, Ota, Nigeria,*
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1.00 pm – 1.30 pm	LUNCH BREAK
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1.30 Pm – 2.30 pm	CLOSING CEREMONY (BUPF INTERNATIONAL CONFERENCE CENTRE)
	Arrival guests and participants National Anthem/School Anthem Invitation to the high table Closing Address Participants' Remarks Communique Vote of Thanks Group Photograph Departure