

<b>GROUP A: DIFFERENTIAL EQUATIONS &amp; INCLUSIONS, MODELING, NUMERICAL ANALYSIS AND THEIR APPLICATIONS</b>			
<b>TUESDAY 7 (Zoom ID: 832 8973 7527; Password: 106247)</b>			
	<b>09:00 - 12:00</b>	<b>Opening Ceremony at New Faculty Lecture Theater</b>	
	<b>12:00 - 12:40</b>	<b>Keynote Speaker 1</b>	<b>Mr Jubril Adeniji</b>
	<b>12:45 - 01:00</b>	<b>Brief Address</b>	<b>Dr Bakare Emmanuel Afolabi</b>
	<b>01:00 - 02:00</b>	<b>LUNCH BREAK</b>	
	<b>02:00 - 02:50</b>	<b>Plenary Speaker 1</b>	<b>Emeritus Prof. G. O. S. Ekhaguere</b>
	<b>03:00 - 03:45</b>	<b>Keynote Speaker 2</b>	<b>Mr Abayomi Adelowotan</b>
<b>PARALLEL SESSION 1 (NFLT)</b>			
<b>CHAIRMEN</b>		<b>Prof M. O. Ogundiran &amp; Prof A. T. Ademola</b>	
<b>S/N</b>	<b>TIME</b>	<b>PAPER CODE</b>	<b>TOPICS &amp; AUTHORS</b>
1	04:00 - 04:15	A01	<b>Filippov Approach In One Sided Lipschitz Continuous Impulsive quantum Stochastic Differential Inclusion</b> ABIMBOLA, Latifat Adebisi and KASALI, Kazeem B
2	04:15 - 04:30	A02	<b>Mathematical Modelling of Crime with Police Intervention Via Fractional Operator</b> <sup>1</sup> Ayuba Sanda, <sup>2</sup> Bashir Saidu Musa, <sup>3</sup> Yahaya Ajiya, <sup>4</sup> Ishiaku Zubairu
3	04:30 - 04:45	A03	<b>Mathematical Modelling And Analysis Of The Effect Of Isolated-Reated Class On The Dynamical Spread Of Covid-19</b> E. E. Laka <sup>1</sup> , S. O. Adewale <sup>2</sup> , K. O. Mufutau <sup>3</sup>
4	04:45 - 05:00	A04	<b>Modeling The Dynamics Of Diabetes Melitus With Control</b> Kolawole Adefemi Adeyemo
5	05:00 - 05:15	A05	<b>Hyers-Ulam Stability Criteria for Third Order Nonlinear Differential Equations with Nonlinear Damping.</b> Ilesanmi Fakunle <sup>1</sup> , Peter Olutola Arawomo <sup>2</sup> , Joesph Idowu Opadara <sup>3</sup> and Ezekael Abiodun Oluwafemi <sup>4</sup>
6	05:15 - 05:30	A06	<b>A Nonlinear SDC<sub>1</sub>C<sub>2</sub> Mathematical Model for the Effect of Diabetes Population on a Community</b> Kwaghkor, L. M.
7	05:30 - 05:45	A07	<b>Global Stability and Bifurcation Analysis of HIV/AIDS Epidemic Model with PrEP</b> J.K. Oladejo <sup>1*</sup> , O.A.Odebisi <sup>2</sup>

8	05:45 - 06:00	A08	<b>Analytical Approximate Solution Of Nonlinear Fractional Order Differential Equations</b> * B. M. Yisa, and N. A. Owolewa
	07:00-	<b>VICE CHANCELLOR'S COCKTAIL</b>	

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<b>WEDNESDAY 8 (Zoom ID: 832 8973 7527; Password: 106247)</b>			
	<b>09:00 - 09:45</b>	<b>Plenary Speaker 2</b>	<b>Prof Luigi Acardi</b>
<b>PARALLEL SESSION 2 (NFLT)</b>			
<b>CHAIRMEN</b>		<b>Prof M. O. Ogundiran &amp; Prof A. T. Ademola</b>	
<b>S/N</b>	<b>TIME</b>	<b>PAPER CODE</b>	<b>TOPICS &amp; AUTHORS</b>
1	10:00 - 10:15	A09	<b>Block Methods of Equal Order for Solving Second Order Delay Differential Equations</b> <sup>1</sup> Familua, A. B., <sup>2</sup> Adeyeye, O., <sup>3</sup> Areo, E. A, and <sup>4</sup> Omole, E. O.
2	10:15 - 10:30	A10	<b>Fourth-derivative block methods for directly solving third-order initial value problems of ordinary differential equations.</b> <sup>1</sup> Duromola M. K. <sup>2</sup> Momoh A. L and <sup>3</sup> Kusoro O. O.
3	10:30 - 10:45	A11	<b>Analysis Of HIV/AIDS Model With Non Linear Incidence Function</b> O. A. Odebisi <sup>2*</sup> , J. K. Oladejo <sup>2</sup> , and Elijah E.O <sup>3</sup>
4	10:45 - 11:00	A12	<b>Ergodic Theorems in Random Banach Spaces</b> M.O. Ogundiran
5	11:00 - 11:15	A13	<b>Mathematical Model Of Anti-Malarial Drug Resistance</b> <sup>*1</sup> Atuji Simon Sati, <sup>2</sup> Omojo Blessing, <sup>3</sup> Dashe Naanmiap Emmanuel.
6	11:15 - 11:30	A14	<b>Quantum computations and Quantum information Theory</b> D.A Dikko
7	11:30 - 11:45	A15	<b>Optimising Plasmodium falciparum Malaria Control Strategies in Nigeria</b> Bakare Emmanuel Afolabi <sup>1,2</sup>
	<b>12:00 - 01:30</b>	<b>Nigerian Women in Mathematics</b>	

	<b>01:30-02:30</b>	<b>LUNCH BREAK</b>	
<b>PARALLEL SESSION 3 (NFLT)</b>			
<b>CHAIRMEN</b>		<b>Prof M. O. Ogundiran &amp; Prof A. T. Ademola</b>	
1	02:30 - 02:45	A16	<b>Buoyancy Driven Convective Flow Of Stratified Fluid In A Vertical Channel With Acceleration And Impulsively Started Plates Filled With Anisotropic Porous Material</b> Muhammad. K. Musa <sup>1*</sup> , L. K. Yusuf <sup>2</sup> , M. Balarabe <sup>3</sup> , A. M. Umar <sup>4</sup> and A. Abdulkarim <sup>5</sup>
2	02:45 - 03:00	A17	<b>Block Method Coupled with the Compact Difference Schemes for the Numerical Solution of Nonlinear Burgers' Partial Differential Equations</b> <sup>1</sup> B. I. Akinnukawe and <sup>2</sup> E. M. Atteh
3	03:00 - 03:15	A18	<b>Analyzing Cholera Transmission Dynamics: Insights for Public Health Interventions</b> Babatunde Gbadamosi and Olukayode Adebimpe
4	03:15 - 03:30	A19	<b>Mathematical Modeling Of The Parasitic Transmission Dynamics Of Iroko Gall Bug (Phytolyma Lata) Walker Scott On Iroko Trees (Miliciaexcelsa) Welw C.C. Berg.</b> Awosusi B.M <sup>1</sup> , Arawomo P.O <sup>2</sup> and Obabiyi O.S <sup>3</sup>
5	03:30 - 03:45	A20	<b>A Numerical Solution Of The Fractional Navier-Stokes Equation Using The Caputo-Fabrizio Aboodh Transform Method With The Reduced Differential Polynomials</b> Abimbola A. Oyewumi <sup>1</sup> ; Rasaan A. Oderinu <sup>2</sup>
6	03:45 - 04:00	A21	<b>An Autonomous Differential Equation Model For Developing The Database Of A Face Recognition System</b> Bamidele Oluwade
7	04:00 - 04:15	A22	<b>New Spectral Parameter Via Secant Condition For Symmetric Nonlinear Equations</b> Yusuf Muhammad Kufena <sup>1*</sup> , Lukman Lawal <sup>2</sup> , Kamaluddeen Umar Danmalam <sup>3</sup> And Mohammed Samaila <sup>4</sup>

8	04:15 - 04:30	A23	<b>Stability Analysis And Optimal Control Of Exploited Population</b> Davies Iyai and <sup>+</sup> Adiela Chukwumela
9	04:30 - 04:45	A24	<b>Assessing the efficiency of cooling systems utilizing tetra-hybrid nanofluid in solar powered automobiles through numerical analysis</b> Salaudeen, K.A <sup>1</sup> , Aselebe, L.A <sup>2</sup> , Ogundiran, S.D <sup>3</sup> , Farayol <sup>a</sup> , P.I <sup>4</sup> , Asiru, T.M <sup>5</sup>
10	04:45 - 05:00	A25	<b>Comparative Analysis of the Effects of Temperature on Swelling Capacity of Acha Semolina of different mix ratio.</b> Faniyi, Olugbade E., Okoro, Samuel I., Fatokun, Johnson O., and Evans, Patience O* .

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	<b>09:00 - 09:45</b>	<b>Plenary Speaker 3</b>	<b>Prof Balazs Szendroi</b>
<b>PARALLEL SESSION 4 (NFLT)</b>			
<b>CHAIRMEN</b>		<b>Prof M. O. Ogundiran &amp; Prof A. T. Ademola</b>	
<b>S/N</b>	<b>TIME</b>	<b>PAPER CODE</b>	<b>TOPICS &amp; AUTHORS</b>
1	10:00 - 10:15	A26	<b>Efficiency and Economic Analysis of Intervention Strategies for Recurrent Malaria Transmission</b> Abimbade S.F. <sup>1*</sup> , Olaniyi S. <sup>2</sup> , Ajala O. A. <sup>3</sup> , Chuma F. M. <sup>4</sup>
2	10:15 - 10:30	A27	<b>Impact Of Educational Strategies On The Control Of Marital Conflict: A Mathematical Modelling Approach</b> Bako D.
3	10:30 - 10:45	A28	
4	10:45 - 11:00	A29	
5	11:00 - 11:15	A30	
6	11:15 - 11:30	A31	
7	11:30 - 11:45	A32	
8	11:45 - 12:00	A33	
9	12:00 - 12:15	A34	
10	12:15 - 12:30	A35	
11	12:30 - 12:45	A36	
	<b>01:00 - 02:00</b>	<b>LUNCH BREAK</b>	
	<b>02:00 - 02:45</b>	<b>Plenary Speaker 3</b>	<b>Prof N. N. Youmbi</b>
<b>PARALLEL SESSION 5 (NFLT)</b>			
<b>CHAIRMEN</b>		<b>Prof M. O. Ogundiran &amp; Prof A. T. Ademola</b>	
1	03:00 - 03:15	A37	

2	03:15 - 03:30	A38	
3	03:30 - 03:45	A39	
4	03:45 - 04:00	A40	
5	04:00 - 04:15	A41	
6	04:15 - 04:30	A42	
7	04:30 - 04:45	A43	
8	04:45 - 05:00	A44	

<b>GROUP B: FUNCTIONAL ANALYSIS, ALGEBRA WITH APPLICATIONS AND GENERALISATIONS</b>			
<b>TUESDAY 7 (Zoom ID: 832 8973 7527; Password: 106247)</b>			
	<b>09:00 - 12:00</b>	<b>Opening Ceremony at New Faculty Lecture Theater</b>	
	<b>12:00 - 12:40</b>	<b>Keynote Speaker 1</b>	<b>Mr Jubril Adeniji</b>
	<b>12:45 - 01:00</b>	<b>Brief Address</b>	<b>Dr Bakare Emmanuel Afolabi</b>
	<b>01:00 - 02:00</b>	<b>LUNCH BREAK</b>	
	<b>02:00 - 02:50</b>	<b>Plenary Speaker 1</b>	<b>Emeritus Prof. G. O. S. Ekhaguere</b>
	<b>03:00 - 03:45</b>	<b>Keynote Speaker 2</b>	<b>Mr Abayomi Adelowotan</b>
<b>PARALLEL SESSION 1 (MATHEMATICS LABORATORY)</b>			
<b>CHAIRPERSON</b>		<b>Prof Olubunmi A. Fadipe Joseph</b>	
<b>S/N</b>	<b>TIME</b>	<b>PAPER CODE</b>	<b>TOPICS &amp; AUTHORS</b>
1	04:00 - 04:15	B01	<b>On Dirichlet Spaces of Homogeneous Type Via Heat Kernel</b> M. E. Egwe <sup>4</sup> and J. I. Opadara <sup>2</sup>
2	04:15 - 04:30	B02	<b>Tymoczko Codes for Row Strict Young Tableaux</b> Felemu Olasupo <sup>1</sup> and Praise Adeyemo
3	04:30 - 04:45	B03	<b>Convolution Operators on the Euclidean Motion Group.</b> <sup>1</sup> U. N. Bassey and <sup>5</sup> U. E. Edeke,
4	04:45 - 05:00	B04	<b>Fractional Differential Transform Method For Analyzing Arterial Blood Flow Of Fractional Order</b> <sup>*1</sup> Akogwu, Omojo Blessing and <sup>2</sup> Ogunfeditimi, Franklin Olusodayo
5	05:00 - 05:15	B05	<b>On Common Fixed point Theorems in <math>(\alpha, \beta)</math>-Complexed valued <math>b</math>-Metric Spaces</b> Abba Auwalu <sup>1, *</sup> , Lawan Mohammed Bulama <sup>2</sup> , Abbas Umar Saje <sup>3</sup> and Hassan Hamza <sup>4</sup>
6	05:15 - 05:30	B06	<b>Transfer Of Orbital Integrals</b> U. N. Bassey <sup>1</sup> and R. A. Ibitowa <sup>2</sup>
7	05:30 - 05:45	B07	<b>Some Notions On Picture Fuzzy MultiRelations</b> Taiwo O. Sangodapo,
8	05:45 - 06:00	B08	<b>Generalized Inertial Algorithm Involving Family Of Sum Of Two Monotone Mappings And Strictly Pseudocontractive Mappings</b> B. Ali <sup>1</sup> and A.B. Nuhu <sup>6</sup>
	07:00-	<b>VICE CHANCELLOR'S COCKTAIL</b>	

<b>GROUP B: FUNCTIONAL ANALYSIS, ALGEBRA WITH APPLICATIONS AND GENERALISATIONS</b>			
<b>WEDNESDAY 8 (Zoom ID: 832 8973 7527; Password: 106247)</b>			
	<b>09:00 - 09:45</b>	<b>Plenary Speaker 2</b>	<b>Prof Luigi Acardi</b>
<b>PARALLEL SESSION 2 (MATHEMATICS LABORATORY)</b>			
<b>CHAIRMEN</b>		<b>Prof Ma'aruf Mnijibir &amp; Prof T. G. Jaiy'eo.la'</b>	
<b>S/N</b>	<b>TIME</b>	<b>PAPER CODE</b>	<b>TOPICS &amp; AUTHORS</b>
1	10:00 - 10:15	B09	<b>Bohr Inequality For Some Generalized Integral Operators On Simply Connected Domain</b> Amusa I.S. <sup>1</sup> and Mogbademu A. A. <sup>2</sup>
2	10:15 - 10:30	B10	<b>A survey on iterative fixed point theorems in modular function spaces with an application to differential equation</b> * Hudson Akewe
3	10:30 - 10:45	B11	<b>A Study on Soft Semigroups</b> <sup>1</sup> R. U. Ndubuisi, <sup>2</sup> Paschal U. Offor and <sup>3</sup> R. B. Abubakar,
4	10:45 - 11:00	B12	<b>Factorization in Phase-Space Finite Geometry and Weak Mutually Unbiased Bases in Finite Quantum Systems</b> Adeshola, A.D. <sup>1</sup> , Oladejo, S.O. <sup>7</sup> , Abdulkareem, A.O. <sup>8</sup> and Ibrahim G.R. <sup>1</sup>
5	11:00 - 11:15	B13	<b>On Quasimonotone Variational Inequalities</b> Oluwatosin T. Mewomo
6	11:15 - 11:30	B14	<b>Bregman Subgradient Extragradient Method for Solving Pseudo-monotone Variational Inequalities and Fixed Point Problems in Banach Spaces with Application</b> M. S. Lawan
7	11:30 - 11:45	B15	<b>p<sup>th</sup> - Root Characterisation Of Full Transformation Semigroup</b> *A. O. Adeniji, M. M. Mogbonju and A. M. Ayinde
	12:00 - 01:30	<b>Nigerian Women in Mathematics</b>	
	01:30-02:30	<b>LUNCH BREAK</b>	

<b>PARALLEL SESSION 3 (MATHEMATICS LABORATORY)</b>			
<b>CHAIRMEN</b>		<b>Prof Ma'aruf Mnijibir &amp; Prof T. G. Jaiy'eo.la'</b>	
1	02:30 - 02:45	B16	<b>Hankel Determinant Of A Class Of Analytic Function Defined By Frasin Differential Operator</b> <sup>1</sup> Olusola E. OPALEYE, <sup>2</sup> Opeyemi S. FAWALE
2	02:45 - 03:00	B17	<b>An Equivalence In A Selected Family Of Cyclic Subsemigroups And Algorithm For Generating Systems Of Semigroup</b> M.I. Sampson, L.E. Effiong, C.T. Madubuiké and C. F. Igirig
3	03:00 - 03:15	B18	<b>Centralizers In Transformation Semigroup Of Alternating Nonnegative Integers</b> Adenike Olusola Adeniji
4	03:15 - 03:30	B19	<b>Integral Inequalities Of Opial-Type With Two Parameters On Times Scales</b> <sup>1</sup> Aribike Emmanuella Ehui, <sup>2</sup> Samuel Adamariko Aniki and <sup>3</sup> Rauf Kamilu
5	03:30 - 03:45	B20	<b>On The Homology Of A Complete Flag</b> Olufemi Sunday OLUSA
6	03:45 - 04:00	B21	<b>New Closed Forms For A Dilogarithmic Integral, Related Integrals, And Series</b> Abdulhafeez Ayinde Abdulsalam
7	04:00 - 04:15	B22	<b>Coefficient estimates for certain class of univalent functions involving the modified sigmoid function.</b> <sup>1</sup> Davids Esther <sup>2</sup> Olushola Adeyemo
8	04:15 - 04:30	B23	<b>Algorithm For Semigroup Bases And Its Implication On The Bases Of Classes Of Semigroup</b> Marshal I. Sampson, Akak, Eyo Offiong,
9	04:30 - 04:45	B24	<b>Hybrid D-iteration process for equilibrium problem and fixed points of asymptotically nonexpansive mappings</b> M. H. Harbau
10	04:45 - 05:00	B25	<b>On Henstock-Kurzweil-Stieltjes-<math>\diamond</math>-Double Integrals Of Gronwall-Bellman Type Inequalities For</b>



			<b>Interval-Valued Functions On Time Scales</b> AFARIOGUN David Adebisi <sup>9</sup> , MOGBADEMU Adesanmi Alao <sup>2</sup> and OLAOLUWA Hallowed Oluwadara <sup>3</sup>
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<b>GROUP C: FUNCTIONAL ANALYSIS, ALGEBRA WITH APPLICATIONS AND GENERALISATIONS</b>			
<b>THURSDAY 9 (Zoom ID: 832 8973 7527; Password: 106247)</b>			
	<b>09:00 - 09:45</b>	<b>Plenary Speaker 3</b>	<b>Prof Balazs Szendroi</b>
<b>PARALLEL SESSION 4 (MATHEMATICS LABORATORY)</b>			
<b>CHAIRMEN</b>		<b>Prof Ma'aruf Mnijibir &amp; Prof T. G. Jaiy'eo.la'</b>	
<b>S/N</b>	<b>TIME</b>	<b>PAPER CODE</b>	<b>TOPICS &amp; AUTHORS</b>
1	10:00 - 10:15	B26	<b>Univalence, Starlikeness And Convexity Of A New Integral Operator</b> M. O. Ezugorie <sup>1</sup> and A. F. Olubunmi <sup>2</sup>
2	10:15 - 10:30	B27	<b>Intuitions around the metrical triangle inequality</b> Hallowed O. Olaoluwa <sup>1</sup> , Aminat O. Ige <sup>2</sup> , and Johnson O. Olaleru <sup>3</sup>
3	10:30 - 10:45	B28	<b>Attractive Point Approximation of Noncommutative Nonlinear Mappings in Hadamard Spaces</b> Lawal Yusuf Haruna
4	10:45 - 11:00	B29	<b>Attractive Point Approximation of Noncommutative Nonlinear Mappings in Hadamard Spaces</b> Lawal Yusuf Haruna
5	11:00 - 11:15	B30	<b>Geometric Properties of Univalent Functions Involving Legendre Polynomials</b> Fatunsin Lolade Modupe <sup>1</sup> and Opoola T. O. <sup>2</sup>
6	11:15 - 11:30	B31	<b>Solving Singular Integral Equations of the Second Kind Using Chebyshev Polynomials</b> Vivian Ndfutu Nfor and Pascaline Liakem Ndukum
7	11:30 - 11:45	B32	<b>On the characterization of some variants of inverse properties in conjugate loop</b> <sup>1</sup> T. G. Jaiy'eo.la' <sup>2</sup> M. A. Idris (Corresponding and Presenting author) and <sup>3</sup> G. Akinbo

8	11:45 - 12:00	B33	<b>On semi-symmetric <math>(\alpha, \beta, \gamma)</math>-inverse quasigroup</b> <sup>10</sup> R. Ilemobade and <sup>2</sup> T. G. Jaiy'eo.la'
9	12:00 - 12:15	B34	<b>A New Class of Analytic Function Defined by Gegenbauer and Chebyshev Polynomials</b> <sup>1</sup> O. D. Olawumi, <sup>2*</sup> Olubunmi A. Fadipe-Joseph
10	12:15 - 12:30	B35	
11	12:30 - 12:45	B36	
	<b>01:00 - 02:00</b>	<b>LUNCH BREAK</b>	
	<b>02:00 - 02:45</b>	<b>Plenary Speaker 3</b>	
<b>PARALLEL SESSION 5 (MATHEMATICS LABORATORY)</b>			
<b>CHAIRMEN</b>		<b>Prof Ma'aruf Mnijibir &amp; Prof T. G. Jaiy'eo.la'</b>	
1	03:00 - 03:15	B37	
2	03:15 - 03:30	B38	
3	03:30 - 03:45	B39	
4	03:45 - 04:00	B40	
5	04:00 - 04:15	B41	
6	04:15 - 04:30	B42	
7	04:30 - 04:45	B43	
8	04:45 - 05:00	B44	

<b>GROUP C: PROBABILITY, FINANCIAL MATHEMATICS, OPERATIONS RESEARCH, STATISTICS AND APPLICABLE MATHEMATICS</b>			
<b>TUESDAY 7 (Zoom ID: 832 8973 7527; Password: 106247)</b>			
	<b>09:00 - 12:00</b>	<b>Opening Ceremony at New Faculty Lecture Theater</b>	
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	<b>12:45 - 01:00</b>	<b>Brief Address</b>	<b>Dr Bakare Emmanuel Afolabi</b>
	<b>01:00 - 02:00</b>	<b>LUNCH BREAK</b>	
	<b>02:00 - 02:50</b>	<b>Plenary Speaker 1</b>	<b>Emeritus Prof. G. O. S. Ekhaguere</b>
	<b>03:00 - 03:45</b>	<b>Keynote Speaker 2</b>	<b>Mr Abayomi Adelowotan</b>
<b>PARALLEL SESSION 1 (MATHEMATICS SEMINAR ROOM)</b>			
<b>CHAIRMEN</b>		<b>Dr D. A. Dikko &amp; Dr A. O. Akeju</b>	
<b>S/N</b>	<b>TIME</b>	<b>PAPER CODE</b>	<b>TOPICS &amp; AUTHORS</b>
1	04:00 - 04:15	C01	<b>The Role Of Artificial Intelligence In Enhancing The Teaching And Learning Of Mathematics For National Development</b> <sup>1</sup> Ahmed Tijjani, RABIU and <sup>2</sup> Saratu Galma, TANIMU
2	04:15 - 04:30	C02	<b>Galerkin Weighted Residual Method for the Solution of Cantilever Beam Equations</b> * Peter Ayoo and Gloria Habila
3	04:30 - 04:45	C03	<b>Heat and Mass transfer in Casson MHD nanofluid flow over a horizontal plate with nonlinear thermal radiation.</b> Gabriel Samaila
4	04:45 - 05:00	C04	<b>Dependency of Solute Flux on Thermal Flux in Double-Diffusive Convection of Ammonia Prandtl-Eyring Nanofluid: A Predictive Study via RSM and SQLM</b> Mojeed T. Akolade <sup>1,11</sup> and Amos S. Idowu <sup>1 1</sup>
5	05:00 - 05:15	C05	<b>Golden Ratio Algorithms For Solving Quasimonotone Variational Inequalities</b> V. R. Okeya <sup>1</sup> , C. I. Nestor <sup>1</sup> , A. A. Mebawondu <sup>1,2</sup> , A. E. Ofem <sup>2</sup> , And O. K. Narain <sup>2</sup>
6	05:15 - 05:30	C06	<b>Artificial intelligence and Animation for Effective Teaching and Learning of Mathematics</b> Adenegan Kehinde Emmanuel and Lawal Matthew Oluwafemi
7	05:30 - 05:45	C07	<b>Artificial Intelligence and Mathematics Instructional Delivery</b>

			<b>for Sustainable National Economy in Kano State, Nigeria.</b> Hameed Ishola, SURAKAT
8	05:45 - 06:00	C08	<b>Fraction of Design Space Plot for Examining of Second-order Orthogonal Composite Designs in Presence of Missing Observation</b> Chibuzo Solomon Ezievuo, Abimibola Victoria Oladugba, *Ogochukwu Ifeoma Ude & Oluwagbenga T. Babatunde
	07:00-	<b>VICE CHANCELLOR'S COCKTAIL</b>	

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<b>PARALLEL SESSION 2 (MATHEMATICS SEMINAR ROOM)</b>			
<b>CHAIRMEN</b>		<b>Dr D. A. Dikko &amp; Dr A. O. Akeju</b>	
<b>S/N</b>	<b>TIME</b>	<b>PAPER CODE</b>	<b>TOPICS &amp; AUTHORS</b>
1	10:00 - 10:15	C09	<b>Regression Models for Predicting the Effect of Depth on Temperature of Three Different Lakes</b> Okoro, Samuel I*, Ayeni, Olumide C., Evans Patience O., and Fatokun, Johnson O.
2	10:15 - 10:30	C10	<b>Statistical Analysis for the Effect of Temperature on the Swelling Capacity of Acha Semolina</b> <sup>1</sup> Ayeni, Olumide C.*, <sup>1</sup> Faniyi, Olugbade E., and <sup>2</sup> Umar, Aliyu M.
3	10:30 - 10:45	C11	<b>A Panel Vector Autoregressive Model (Pvar) Analysis Of Impact Of Renewable Energy And Financial Development On Co2 Emission And Economic Growth In West African Region.</b> Oluwasegun Kehinde, Olabisi, Rasheed Adeyemi
4	10:45 - 11:00	C12	<b>Peak Value In Combined Effect Time Dependent Matrix Using Geometric Mean</b> Dr Abidemi D. Oyalade, Dr B.O Onasanya
5	11:00 - 11:15	C13	<b>Statistical Analysis On Monetary Policy Of Curbing Unemployment Rate In Nigeria.</b>

			<sup>1</sup> Adewoye, Kunle Bayo*, <sup>2</sup> Raji, Surajudeen Tunde, <sup>3</sup> Salau, Ganiyat Monishola (Mrs)
6	11:15 - 11:30	C14	<b>Bayesian Estimation of Convoluted Randomized Response Techniques</b> Adeniran A. T. <sup>1*</sup> and Faweya, O. <sup>2</sup>
7	11:30 - 11:45	C15	<b>The Advancement and Improvement of LASER Technology in a health system in Nigeria</b> Patrick Agwu Okpara and Sunday Nwokpoku Alope
	12:00 - 01:30	<b>Nigerian Women in Mathematics</b>	
	01:30-02:30	<b>LUNCH BREAK</b>	
<b>PARALLEL SESSION 3 (MATHEMATICS SEMINAR ROOM)</b>			
<b>CHAIRMEN</b>		<b>Dr D. A. Dikko &amp; Dr A. O. Akeju</b>	
1	02:30 - 02:45	C16	<b>Statistical Analysis On Monetary Policy Of Curbing Unemployment Rate In Nigeria.</b> Adewoye, Kunle Bayo* Raji, Surajudeen Tunde and Salau, Ganiyat Monishola
2	02:45 - 03:00	C17	<b>Fraction of Design Space Plot for Examining of Second-order Orthogonal Composite Designs in Presence of Missing Observation</b> Chibuzo Solomon Ezievuo, Abimibola Victoria Oladugba & *Ogochukwu Ifeoma Ude
3	03:00 - 03:15	C18	<b>Elevating Nigeria's Future: Harnessing the Power of AI for Sustainable Growth and Inclusive Development</b> Yussuf Yakubu
4	03:15 - 03:30	C19	<b>Integration Of Stochastic Black-Scholes Model With Gauss-Levy Jump Using Euler-Maruyama Method</b> <sup>1</sup> Abejide K. S. and <sup>2</sup> Kayode S. J.
5	03:30 - 03:45	C20	<b>Runge-Kutta Like Method for the Solution of Optimal Control Model of Real Investment and Fish Management</b> <sup>1</sup> Adamu, S., <sup>2</sup> Alkali, A. M. and <sup>3</sup> Odekunle, M. R.
6	03:45 - 04:00	C21	<b>Application of Conjugate Gradient Parameter for Real Unconstrained Optimization Problems</b> <sup>1</sup> Usman Abbas Yakubu, <sup>2</sup> Abubakar Bawa Zarogi, <sup>3</sup> Rabiu Hamisu Kankarofi

7	04:00 - 04:15	C22	<b>Option Pricing of Dividend Paying Underlying with Discrete Investment Strategy</b> Akeju A. O and Dekede P. O
8	04:15 - 04:30	C23	<b>Neural Stochastic Differential Equations and Optimal Stopping Problems</b> Ini ADINYA
9	04:30 - 04:45	C24	<b>Mathematical Modeling of Economic Dynamics in Nigeria: Integrating Artificial Intelligence for Policy Analysis and Forecasting</b> Anthony Udo Akpan
10	04:45 - 05:00	C25	<b>Addressing The Basic Requirements For Proficiency In Artificial Intelligence-A Study Of Difficulty Levels Of Secondary School Mathematics Topics</b> Cletus I. Madu and Mansur Nuhu Alhassan

<b>GROUP C: PROBABILITY, FINANCIAL MATHEMATICS, OPERATIONS RESEARCH, STATISTICS AND APPLICABLE MATHEMATICS</b>			
<b>THURSDAY 9 (Zoom ID: 832 8973 7527; Password: 106247)</b>			
	<b>09:00 - 09:45</b>	<b>Plenary Speaker 3</b>	<b>Prof Balazs Szendroi</b>
<b>PARALLEL SESSION 4 (MATHEMATICS SEMINAR ROOM)</b>			
<b>CHAIRMEN</b>		<b>Dr D. A. Dikko &amp; Dr A. O. Akeju</b>	
<b>S/N</b>	<b>TIME</b>	<b>PAPER CODE</b>	<b>TOPICS &amp; AUTHORS</b>
1	10:00 - 10:15	C26	<b>Commutative Harmonic Analysis On Some Non-Commutative Nilpotent Lie Groups</b> O. A. Ariyo <sup>1</sup> and M. E. Egwe <sup>2</sup>
2	10:15 - 10:30	C27	
3	10:30 - 10:45	C28	
4	10:45 - 11:00	C29	
5	11:00 - 11:15	C30	
6	11:15 - 11:30	C31	
7	11:30 - 11:45	C32	
8	11:45 - 12:00	C33	
9	12:00 - 12:15	C34	
10	12:15 - 12:30	C35	
11	12:30 - 12:45	C36	
	<b>01:00 - 02:00</b>	<b>LUNCH BREAK</b>	
	<b>02:00 - 02:45</b>	<b>Plenary Speaker 3</b>	
<b>PARALLEL SESSION 5 (MATHEMATICS SEMINAR ROOM)</b>			
<b>CHAIRMEN</b>		<b>Dr D. A. Dikko &amp; Dr A. O. Akeju</b>	
1	03:00 - 03:15	C37	
2	03:15 - 03:30	C38	
3	03:30 - 03:45	C39	

4	03:45 - 04:00	C40	
5	04:00 - 04:15	C41	
6	04:15 - 04:30	C42	
7	04:30 - 04:45	C43	
8	04:45 - 05:00	C44	

**VIRTUAL PRESENTATIONS**

<b>MISCELLANEOUS PRESENTATIONS (VIRTUAL)</b>			
<b>TEUSDAY 7</b>			
	09:00 - 12:00	<b>Opening Ceremony at New Faculty Lecture Theater</b>	
	12:00 - 12:40	Keynote Speaker 1	
	12:45 - 01:00	Brief Address	
	01:00 - 02:00	<b>LUNCH BREAK</b>	
	02:00 - 02:50	Plenary Speaker 1	
	03:00 - 03:45	Keynote Speaker 2	
<b>PARALLEL SESSION 1 (Zoom ID: 832 8973 7527; Password: 106247)</b>			
<b>S/N</b>	<b>TIME</b>	<b>PAPER CODE</b>	<b>TOPICS &amp; AUTHORS</b>
1	04:00 - 04:15	NMS24VP01	<b><math>L^2</math>- Convergence of Wavelet Operators in the Schwartz Space S</b> A.C. Egere <sup>1,2</sup> , U.N. Bassey <sup>1</sup> , and M.E. Egwe <sup>1</sup>
2	04:15 - 04:30	NMS24VP02	<b>Waves on a Rotating Corrugated-Impedance boundary Material Influenced by Thermal Source and Mechanical Force</b> Augustine Igwebuike Anya
3	04:30 - 04:45	NMS24VP03	<b>Mathematical Modelling of Rabies in Dog Population Considering Pre- and Post-Vaccinations</b> Abayomi Ayotunde Ayoade <sup>1</sup> and Paschal Achor Ikpechukwu <sup>2</sup>
4	04:45 - 05:00	NMS24VP04	<b>Consumer Behaviour Analysis Via The Fusion Of Nonlinear Mathematical Modelling And Big Data Analytics</b> K. J. Audu <sup>1</sup> , S.A. Akande <sup>1</sup> ; A. Abdulrahim S. O. Olubowale <sup>1</sup> ; And O. A. Adedayo
5	05:00 - 05:15	NMS24VP05	<b>Numerical Evaluation of Adverse Effects of Economic Fluctuations on the Investment Returns of Insurance Industry in Nigeria</b> C. Chibuisi <sup>1,*</sup> , M. E. Egwe <sup>2</sup> , B. O. Osu <sup>3</sup>
6	05:15 - 05:30	NMS24VP06	<b>Approximating zeros of monotone maps and fixed point of generalized nonexpansive operators in CAT(0) spaces</b> Zuwaira Sulaiman umar <sup>1</sup>
7	05:30 - 05:45	NMS24VP07	<b>Sensitivity Analysis Of Covid-19 Model With 52 Parameters Using Python Snippet Generated By The Aid Of Ai</b> <sup>1</sup> U. Alwell and <sup>2</sup> G. C. E. Mbah



8	05:45 - 06:00	NMS24VP08	<b>Free Convection Flow Of Viscous Dissipative Fluid Affected By Permeability And Heat Source/Sink Impacts In A Heated Superhydrophobic Microchannel</b> Emmanuel Omokhuale <sup>1*</sup> and Godwin Ojmeri <sup>2</sup>
	07:00-	<b>VICE CHANCELLOR'S COCKTAIL</b>	

<b>MISCELLANEOUS PRESENTATIONS (VIRTUAL)</b>			
<b>WEDNESDAY 8</b>			
	09:00 - 09:45	Plenary Speaker 2	
<b>PARALLEL SESSION 2 (Zoom ID: 832 8973 7527; Password: 106247)</b>			
<b>CHAIRMEN</b>		<b>G. S. Lawal &amp; B. O. Onasanya</b>	
<b>S/N</b>	<b>TIME</b>	<b>PAPER CODE</b>	<b>TOPICS &amp; AUTHORS</b>
1	10:00 - 10:15	NMS24VP09	<b>Unraveling The Complexity Of Hyperacusis: A Graph Theoretical Approach</b> Ibrahim Hassan <sup>1</sup> and Ezike, Amechi Innocent <sup>2</sup>
2	10:15 - 10:30	NMS24VP10	<b>Two-point Taylor polynomial iterative linearization via Legendre nodes for exothermic diffusion model.</b> <sup>1</sup> Razaq Adekola Oderinu, <sup>2</sup> Johnson Adekunle Owolabi, <sup>3</sup> Anthony Dumebi Ohaegbue, <sup>4</sup> Ahmed Adeyi Yahaya
3	10:30 - 10:45	NMS24VP11	<b>Fully Developed flow of Burger's fluid in annuli: Semi-analytical approach</b> Sani Isa <sup>1</sup> and Ali Musa <sup>2</sup>
4	10:45 - 11:00	NMS24VP12	<b>Products of Quasi-Nipotents in the Symmetric inverse Semigroups</b> <sup>1,2</sup> J. A. Agba, <sup>2</sup> G. U. Garba and <sup>2</sup> A. T. Imam
5	11:00 - 11:15	NMS24VP13	<b>Homotopy Perturbation Method Of Magnetohydrodynamics (Mhd) Couette Flow With Viscous Dissipation And Newtonian Heating In A Vertical Channel</b> Godwin Ojmeri <sup>1*</sup> and Isaac Obiajulu Onwubuya <sup>2</sup>
6	11:15 - 11:30	NMS24VP14	<b>Unraveling The Complexity Of Hyperacusis: A Graph Theoretical Approach</b> Ibrahim Hassan <sup>1</sup> and Ezike, Amechi Innocent <sup>2</sup>
7	11:30 - 11:45	NMS24VP15	<b>Analysis of Variable Properties on Ternary and Tetra Hybrid Nanofluids Using Blasius</b>

			<p><b>Rayleigh-Stokes Time Dependent Variable: A Model For Solar Aeronotic Engineering</b></p> <p><sup>12</sup> Akintayo Oladimeji Akindele, <sup>2</sup>Olayinka Akeem Oladapo, <sup>3</sup>Amos Wale Ogunsola, <sup>13</sup>Olusegun Adebayo Ajala and <sup>5</sup>Adebowale Martins Obalalu</p>
	12:00 - 01:30	<b>Nigerian Women in Mathematics</b>	
	01:30-02:30	<b>LUNCH BREAK</b>	
<b>PARALLEL SESSION 3</b>			
1	02:30 - 02:45	NMS24VP16	<p><b>Natural Convective Couette flow in a Darcy porous medium with Thermal Radiation, Variable Thermal Conductivity and Chemical Absorption Characteristics: A Finite Element Approach (FEM)</b></p> <p>Emmanuel Omokhualé<sup>14*</sup>, Godwin Ojemerí<sup>15</sup>, Oreteni Tosin<sup>16</sup>, M. M. Altine<sup>17</sup> and Abdullahi Hussaini<sup>5</sup></p>
2	02:45 - 03:00	NMS24VP17	<p><b>Is there any correlation between Teachers' method of teaching and the impact on Student's Academic Achievements in school? A viewpoint from Senior Secondary Mathematics in Taraba state.</b></p> <p>Itankan, Wilfred Areachot,</p>
3	03:00 - 03:15	NMS24VP18	<p><b>Analyzing the Effectiveness of Jacobi, Gauss-Seidel and Successive OverRelaxation Techniques in Solving System of Linear Equations</b></p> <p>Jacob Emmanuel<sup>1</sup>, Olumi.T.T<sup>2</sup>, Elizabeth O.E.<sup>3</sup></p>
4	03:15 - 03:30	NMS24VP19	<p><b>Submicron particle transportation and deposition in a Pressure-Driven Couette Slip flow</b></p> <p>Hadiza Sani Nass</p>
5	03:30 - 03:45		<p><b>Exploring The Efficiency And Accuracy Of Several Numerical Methods For Solving Second-Order</b></p>

			<b>Nonlinear Ordinary Differential Equations Of Emdem-Fowler Type</b> Egbuhuzor Udechukwu P <sup>1</sup> and Udoh Ndipmong A <sup>2</sup>
6	03:45 - 04:00		<b>Asymmetric Lebesgue (<math>L_2^+</math>) Space</b> Yusuf Ibrahim
7	04:00 - 04:15		
8	04:15 - 04:30		
9	04:30 - 04:45		
10	04:45 - 05:00		

<b>MISCELLANEOUS PRESENTATIONS (VIRTUAL)</b>			
<b>THURSDAY 9</b>			
	<b>09:00 - 09:45</b>	<b>Plenary Speaker 3</b>	
<b>PARALLEL SESSION 4</b>			
<b>S/N</b>	<b>TIME</b>	<b>PAPER CODE</b>	<b>TOPICS &amp; AUTHORS</b>
1	10:00 - 10:15		
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9	12:00 - 12:15		
10	12:15 - 12:30		
11	12:30 - 12:45		
	<b>01:00 - 02:00</b>	<b>LUNCH BREAK</b>	
	<b>02:00 - 02:45</b>	<b>Plenary Speaker 3</b>	
<b>PARALLEL SESSION 4</b>			
1	03:00 - 03:15		
2	03:15 - 03:30		
3	03:30 - 03:45		
4	03:45 - 04:00		
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