

CMIA 2023

SCHEDULE OF ACTIVITIES

Day 1: Monday 27 November

- 9am-10am: - Registration
- 10am-10:30am: - Opening (P. Osei, R. Hawkins, O Menoukeu Pamen)
- 10:30am-11am: - Coffee break

Chair: Rev Obeng-Denteh

- 11:00am-12:00pm: - Felix Shu: "On an autoregressive process driven by a sequence of weakly independent and identically distributed cylindrical random variables"
- 12:00pm-12:30pm: - Michael Manford: "An Alternative Multivariate Exponential Power Distribution"
- 12:30pm-1:00pm: - Ghislaine Flore Kabadiang: "Cubic Complex Ginzburg Landau Equation in a Doped Nonlocal Optical Fiber"
- 1:00pm-2:30pm: - Lunch Break

Chair: Felix Shu

- 2:30pm-3:30pm: - Rev Obeng Denteh: "Mathematical Chaos Theory"
- 3:30pm-4:00pm: - Desmond Kofi Boateng "Comparative Analysis of SVD-Based Methods for Image Compression"
- 4:00pm-4:30pm: - Coffee Break

Chair: Elizabeth Dadzie

- 4:30pm-5:00pm: - Adekunle Kolawole "Predictive Model for Students Academic Performance Using Generative Artificial Intelligence"
- 5:00pm-5:30pm: - Richard Kwame Ansah "Phase Transition In AI-Human Interaction Using Quartic Mean-Field Ising Model"
- 6:00pm-7:00pm: - Dinner



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SCHEDULE OF ACTIVITIES

Day 2: Tuesday 28 November

Chair Juma Kasozi

9:00am-10:30am: - Youssef Ouknine: "Reflected and Doubly RBSDEs with Irregular Obstacles and a Large Set of Stopping Strategies"

10:30am-11am: - Coffee break

11:00am-12:00pm: - Latévi Mohamed Lawson: "Path integral in quasi-Hermitian position-deformed Heisenberg algebra with maximal length"

12:00pm-12:30pm: - Mark Dadzie: "Mathematical modeling and analysis of mycolactone toxin kinetics in Buruli Ulcer"

12:30pm-2:30pm: - Lunch Break

Chair: Diogene Pongui

2:30pm-3:00pm: - Jules Sadefo: "Risk-adjusted performance and semi-moments of non-Gaussian portfolio return distribution"

3:00pm-3:30pm: - Monica Veronica Crankson: "Optimal Control And Stability Analysis Of Bacterial Meningitis Model With Education And Vaccination"

4:00pm-4:30pm: - Coffee Break

Chair: Felix Shu

4:00pm-5:00pm: - Rhoss Pellat: "Path-regularity of Path-dependent Quadratic FBSDEs with Dini-continuous drift"

7:00pm-8:00pm: - Dinner



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SCHEDULE OF ACTIVITIES

Day 3: Wednesday 29 November

Chair Jules Sadefo

- 9am-10am: - Juma Kasozi: "Ruin and Optimal Control in an Insurance Portfolio"
- 10am-10:30am: - Steve Springer Laryea "Investors Trading Psychology, Asset Selection and Portfolio Optimisation in the Cryptocurrency Market; A Behavioural Perspective"
- 10:30am-11am: - Coffee break

Chair: Rhoss Pellat

- 11:00am-12:00pm: - Felix Shu: "On an autoregressive process driven by a sequence of weakly independent and identically distributed cylindrical random variables"
- 12:00pm-12:30pm: - Elizabeth Dadzie: Pricing Weather-linked Insurance Derivatives for Agricultural Goods
- 12:30pm-2:00pm: - Lunch Break

Chair: Latevi Lawson

- 2:00pm-2:30pm - Houénafa Clarisse Dete: "Relative performance of model selection criteria for Cox Proportional Hazards regression based on Kullback's Symmetric Divergence."
- 2:30pm-3:30pm: - Diogene Pongui: Parameter identification problem to find the cardiac potential wave form in ionic models.
- 3:30pm-4:00pm: - Amadou Cham "Stochastic Modelling of energy generation using the bivariate ARMA Models and PCA techniques for NAWEC Power Plants in The Gambia"
- 4:00pm-4:30pm: - Coffee Break

Chair: Monica Veronica Crankson

- 4:30pm-5:00pm: - Mitonsou Thierry HOUNKONNOU "Differential Equation and its Applications to Covid 19"
- 5:00pm-5:30pm: - Michael A. Pobbi "Mathematical Modelling and Analysis of Stochastic Malaria and COVID-19 Co-infection"
- 5:30pm-6:00pm - Ghislaine Flore Kabadiang: "Cubic Complex Ginzburg Landau Equation in a Doped Nonlocal Optical Fiber"
- 7:00pm-8:00pm: - Dinner

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SCHEDULE OF ACTIVITIES

Day 4: Thursday 30 November

Chair Youssef Ouknine

- 9am-10am:** - Olivier Menoukeu Pamen “Takagi type curves and existence of their local time”
- 10am-10:30am:** - Dorcas Attuabea Addo - End-to-.End HHL Algorithm: Pseudocode for Solving System of Linear Equation Problems (SLEP)
- 10:30am-11am:** - Coffee break

Chair Olivier Menoukeu Pamen

- 11:00am-12:00pm:** - Jules Sadefo: “On some open problems in emerging risks”
- 12:00pm-12:30pm:** - Evans Boadi: Nonlinear water waves, solitons, integrable systems, mathematical physics, numerical solutions of PDEs
- 12:30pm-2:00pm:** - Lunch
- 2:00pm-2:30pm** - Closing Remarks

