

2026 MASAMU CRN Virtual Colloquia Series

Spring Schedule: Every Tuesday, February 3 - June 16

Date	Speaker	Title	Research Area	Institution	Country
3-Feb	Paul Horn	Independent sets in triangle-free graphs, and the Ramsey numbers $R(3,k)$	Graph Theory	University of Denver	United States
10-Feb	Zhisheng Shuai	A Graph-Theoretic Framework for Constructing Global Lyapunov Functions via Matrix-Tree and Tree-Cycle Identities	Math Bio	University of Central Florida	United States
17-Feb	Munkaila Dasumani	Discrete-Time Optimal Control of Species Augmentation for Predator-Prey Model	Math Bio	Pan African University Institute for Basic Sciences, Technology and Innovation	Kenya
24-Feb	Claris Shoko	Time-to-Virologic Failure and Drug Resistance: Machine Learning Approach.	Biostatistics	University of Botswana	Botswana
3-Mar	Zulaihat Hassan	On chemotaxis models with porous-medium diffusion, consumption, and logistic source on RN	Math Bio	Auburn University	United States
10-Mar	Joseph Malinzi	Optimal Control of a Dual-Pivot Oncolytic Virotherapy: Synergy Between Vaccinia and Vesicular Stomatitis Viruses	Math Bio	University of Eswatini	Eswatini
17-Mar	Mapundi Kondwani Banda	Input-to-State Stability of linear hyperbolic systems of balance laws via boundary feedback control	Numerical Analysis	University of Pretoria	South Africa
24-Mar	Holly Gaff	Mathematical Modeling of Ticks and Tick-borne illnesses	Math Bio	Old Dominion University	United States
31-Mar	Javier Arsuaga	Experiments and mathematical modeling of DNA packing in viruses using liquid crystals	Math Bio	University of California - Davis	United States
7-Apr	Pete Johnson	From Galileo to Newton to the Disease of Physics Envy in Social Sciences in the 20th Century	Graph Theory	Auburn University	United States
14-Apr	Victor Ogesa Juma	Using Floquet theory to unravel far from equilibrium dynamics in reaction-diffusion systems	Math Bio	University of British Columbia	Canada
21-Apr	Calum Buchanan	On Fixing and Distinguishing Numbers of Trees	Graph Theory	University of Denver	United States
28-Apr	Mokhwetha Mabula	Rough convergence in Riesz spaces	Analysis	University of Pretoria	South Africa
5-May	Samuel Manda	Some Analytical Problems in Regression Modelling of High-Dimensional Longitudinal Data: Multicollinearity, Link Function Specification and Regularisation	Biostatistics	University of Pretoria	South Africa
12-May	Moustapha Sene	Relaxed algorithms for nonlinear Hammerstein type equations and applications	Analysis	Université Gaston Berger	Senegal
19-May	Chinedu Eleh	Balancing Complexity and Accuracy in Simulations of Random Phenomena	Numerical Analysis	Auburn University	United States
26-May	Lesiba Charles Galane	Stochastic Risk-Based Portfolio Asset Allocation	Finance	University of Limpopo	South Africa
2-Jun	Usman Bello Abdulmalik	Projective Splitting Methods with Deviations for Monotone Inclusion Problems in Hilbert Spaces	Analysis	African University of Science and Technology	Nigeria
9-Jun	Basit Ali	Fixed points, variational principle, completeness of some distance spaces	Analysis	University of Management and Technology	Pakistan
16-Jun	Jean-Baptiste Gatsinzi	Rational homotopy type of blowup of natural inclusions between complex projective spaces	Algebra	Botswana International University of Science and Technology	Botswana