

SIMC 2021 Pure Mathematics Program			
Day	Time	Activity / Session Topic	Speaker
June 28, 2021	10:30-12:30	The Asymptotic Behavior of Powers of a Bounded Linear Operator	Dr David Seifert
	2:00-4:00		
June 29th 2021	10:30-12:30		
June 29th 2021	2:00-4:00	Special workshop on Analysis and Synthesis of Music using Mathematics and Computing	Prof. Dirk Schlingman
	2:00-4:00	Workshop on Python Ecosystem for Machine Learning	Prof. Bernard Manderick
June 30, 2021	9:00-9:30	Opening ceremony	VC Designate Dr Vincent Ogutu
	9.30-10:15	Plenary-Bayesian Inference and Decision Making for A/B Testing	Prof. Bernard Manderick
	10:15-10:45	Panel discussion	
	10.45-11.00	Break	
	11:00– 11:30	On the pythagorean Triples Equations and the Perfect Cuboid	Alex Nguhi Cleophas Kweyu
	11:30-12:00	On Generalized Convergence in Collatz Systems.	Alex Nguhi
	1.00-2.00	Break	
	2.00 – 3.00	Plenary session- GAISEing into the Future of Data Science at the School Level	Prof. Christine Franklin-American Statistical Association ambassador
	3:10-3:40	Some properties of the essential spectrum and essential numerical range.	Linety Muhati Job Bonyo John Ngure Patrick Makila
3:40- 4:10	Symmetric skew n-Antisemigeneralized semiderivation of $(\Sigma\text{-Tau})$ anticommutative rings.	Mehsin Atteya Dalal Rasen	
July 1, 2021	9:00-10:00	Response Strategies for Covid-19 Pandemic in Kenya: Role and Value of Mathematical Modelling	Prof. Samuel Mwalili
	10.00-10.30	Break	
	10:30 – 12:30	Characterization of Banach Space Ideal Structures in Operator Ideals.	Patrick Makila Linety Muhati John Matuya

	12:30- 1:00	An application of maximal numerical range under norm of basic elementary operator in tensor product.	Benjamin Kimeu Musundi Wabomba Kinyanjui Jeremiah
	1:00-1:30	Transitivity action of the cartesian product of the alternating group action on a cartesian product of ordered sets in triples.	Maraka Moses Lewis Nyaga Musundi Wabomba
	12:30-2.00	Break	
	2.00- 3:00	Plenary session- Pharmacometrics: The Quantitative Science Undergirding Drug Development and Pharmacotherapy	Prof. Ene Ette
	3:00-3:40	Spectrum of the zero divisor graph of a module idealization	Maurice Oduor
	3:40-4:10	On non-crossing and plane tree like structures.	Isaac Owino Okoth
	4:10-4:40	Notions of norm attainability and orthogonality in Banach spaces	Benard Okelo
July 2, 2021	10:00-11:00	Plenary session- Rates of Decay in the Katznelson-Tzafriri Theorem	Dr. David Seifert
	11:30-12:00	A three step algorithm for solving second order ODE's	Luke Ukpebor
	11.30-12:30	Future Research- Biometric Research Program Closing Remarks	Prof. John Odhiambo