ISM Virtual Research Seminar

21 – 23 September 2020

Tentative Program		
21 September 2020 (Monday)		
Time	**Speaker**	**Title of Presentation**
9:00am - 9:30 am	Prof. Dr. Ibrahim Mohamed	The way forward for research in ISM-UM
Session 1		
9:30am - 9:50am	Datin Rozita Talha, Department of Statistics Malaysia	E-Census
9:50am - 10:10am	Assoc. Prof. Dr. Ng Kok Haur	A new approach based on quantile range-based volatility measure for modelling and forecasting stock volatility
10:10am - 10:30am	Dr. Nur Anisah Mohamed @ A. Rahman	Geomagnetic Ap index and worldwide earthquake occurrences
10:30am -10:40am	Q&A	

Session 2		
Time	**Speaker**	**Title of Presentation**
10:40am - 11:00am	Dr. Adriana Irawati Nur Ibrahim	Bayesian approach to errors-in-variables in negative binomial regression model
11:00am - 11:20am	Dr. Lim Sok Li	A comparison of adaptive coefficient of variation charts
11:20am - 11:40pm	Dr. Khang Tsung Fei	Image-based classification of biological phenotypes using invariant features derived from the Generalized Pseudo-Zernike moments and the Krawtchouk moments
11:40pm – 12:00pm	Dr. Ng Choung Min	Generating function based estimation for the symmetric wrapped stable distributions
12:00pm – 12:10pm	Q&A	

22 September 2020 (Tuesday)		
Session 3		
Time	**Speaker**	**Title of Presentation**
9:00am - 9:20am	Dr. Koh You Beng	Markov Regime-Switching GARCH Model with time-varying transition probability: The case of Bitcoin
9:20am - 9:40am	Dr. Shaiful Anuar Abu Bakar	Risk measure estimation under two component mixture models with trimmed data
9:40am - 10:00am	Ms. Robiaatul Adawiah Edrus	Model fitting for Malaysian mortality rate: a comparison between Heligman-Pollard and P-spline Smoothing
10:00am -10:20am	Dr. Ong Siew Hui	Non-hamiltonian 4-regular planar graphs with given types faces
10.20am-10.30am	Q&A	
Session 4		
Time	**Speaker**	**Title of Presentation**
10:30am - 10:50am	Dr. Amizah Malip	Revocation protocol for group signatures in VANETs: a secure construction
10:50am - 11:10am	Dr. Noor Fadiya Mohd Noor	Hybrid nanofluid flow over a stretchable sheet
11:10am - 11:30am	Dr. Kwa Kiam Heong	Convex combinations of centrality measures
11.30am - 11.50am	Mr. Muhamad Hifzhudin Noor Aziz	Electrophysiological heterogeneity in a population of rabbit ventricular cardiomyocytes and their effects to cardiac anti-arrhythmic drugs
11.50am - 12.00pm	Q&A	

23 September 2020 (Wednesday)		
Session 5		
Time	**Speaker**	**Title of Presentation**
9:00am - 9:20am	Assoc. Prof. Dr. Chooi Wai Leong	Commuting additive maps on rank one triangular matrices
9:20am - 9:40am	Prof. Dr. Angelina Chin Yan Mui	Some open problems on group rings
9:40am - 10:00am	Assoc. Prof. Dr. Wong Kok Bin	Rewriting system and its applications
10:00am -10:10am	Q&A	
Session 6		
10:10am - 10:30am	Dr. Oon Shea Ming	Example of the study on pseudo-randomness
10:30am - 10:50am	Dr. Tan Ta Sheng	Bounds on the burning numbers of path forests and spiders
10:50am - 11:10am	Dr. Loo Tee How	Theories of modified gravity
11:10am - 11:30am	Mr. Okundalaye Oluwaseun Olumide	Performance of several New Line Search Method used with Three-Term Hybrid Broyden-Fletcher-Goldfarb-Shanno-Conjugate Gradient Descent Method for unconstrained optimization problems
11.30am - 11.40am	Q&A	