ICMA-MU 2020 Conference Program

*** Keynote speaker, ** Plenary speaker, * invited speaker

December 18, 2020

Room A (Grand Ballroom, 3rd floor)   [virtual presentation only]

Time	Speaker/Title	Chair
07:30--08:30	Registration	
08:30--09:00	Opening ceremony: - Report by Prof. Yongwimon Lenbury, Director of Centre of Excellence in Mathematics - Welcome speech by Prof. Surapol Issaragrisil, M.D., President of the Royal Society, Thailand - Opening speech by Prof. Banchong Mahaisavariya, M.D., President of Mahidol University	
09:00--09:50	*** Agarwal, R. Texas A&M University-Kingsville Are We Prepared To Accept the Reality?	Lenbury, Y.
09:50--10:05	Refreshment	
10:05--10:35	* Stephan, F. National University of Singapore Initial Segment Complexity for Measures - Results and Open Problems	Changpetch, P.
10:35--11:05	* Pal, N. University of Louisiana at Lafayette Inferences on the Association Parameter in Farlie-Gumbel-Morgenstern Copula Based Bivariate Distribution	Changpetch, P.
11:05--11:25	Nontapa, C. Thammasat University A New Hybrid Forecasting Using Decomposition Method with SARIMAX Model and Artificial Neural Networks	Changpetch, P.
1:25--11:45	Ratchagit, M. Curtin University The Use of Differential Evolution Algorithm for Volatility Estimation of Stochastic Delay Differential Equation	Changpetch, P.
11:45--12:45	Lunch (Roberto Room, 2nd floor)	

Room B (Crystal 3--4, 3rd floor)

Time	Speaker/Title	Chair
10:05--10:35	* Licht, C. Université de Montpellier II Some Remarks on the Assembling of Thin Linearly Elastic Plates	Baowan, D.
10:35--10:55	Thanompolkrang, S. Mahidol University Analytic Solution of Time Fractional Black-Scholes Equation by the Generalized Laplace Homotopy Perturbation Method	Baowan, D.
10:55--11:15	Saetang, J. King Mongkut's University of Technology Thonburi Post Buckling Analysis of a Cantilever Beam Subjected to a Compressive Load	Baowan, D.
11:15--11:35	Tikjha, W. Pibulsongkram Rajabhat University Equilibrium Solutions and Period 5 Solutions of a Certain Piecewise Linear System of Difference Equations	Baowan, D.
11:35--11:55	Tranthi, J. Khon Kaen University Improved Exponential Stability Criteria for Takagi-Sugeno Fuzzy of Neutral Differential Systems with Mixed Time Varying Delays	Baowan, D.
11:55--12:55	Lunch (Roberto Room, 2nd floor)	

Room C (Crystal 1--2, 3rd floor)

Time	Speaker/Title	Chair
10:05--10:25	Momrit, P. King Mongkut's University of Technology North Bangkok The Total Coloring of the Unitary Cayley Graphs and Unitary Addition Cayley Graphs for Even Orders	Lewchalermvong, C.
10:25--10:45	Weeranukunjit, C. Mahidol University The Firefighter Problem with Subdividing Edges on Graphs of Maximum Degree Three	Lewchalermvong, C.
10:45--11:05	Rattanapaiboon, K. Mahidol University A Portfolio for Thailand Stock Market: A Graph Characteristic Approach	Lewchalermvong, C.
11:05--11:35	* Nies, A. The University of Auckland Groups and First-Order Logic	Lewchalermvong, C.
11:35--11:55	Limsurat, V. Chandrakasem Rajabhat University The Tilings on an m × n Board by Using 2 Fences	Lewchalermvong, C.
11:55--12:55	Lunch (Roberto Room, 2nd floor)	

Room A (Grand Ballroom, 3rd floor)   [virtual presentation only]

Time	Speaker/Title	Chair
12:45--13:25	** Richards, D. Pennsylvania State University Integral Transform Methods in Goodness-of-Fit Testing for the Wishart Distributions	Moore, E.
13:25--14:05	** De Gaetano, A. BioMathematics Lab, CNR IASI Modelling Haemorrhagic Shock	Moore, E.
14:05--14:35	* Sheen, D. Seoul National University Quadrature Rules for Quadrilateral Elements	Moore, E.
14:35--14:55	Lenbury, Y. Mahidol University Modeling Diabetes Mellitus Incorporating Reduction in Beta Cells' Ability to Absorb Blood Sugar in Insulin Resistance	Moore, E.
14:55--15:10	Refreshment	
15:10--15:30	Tshewang, U. Mahidol University Cox Model Survival Analysis Based on Cervical Cancer Treatment	Satiracoo, P.

Room B (Crystal 3--4, 3rd floor)

Time	Speaker/Title	Chair
12:55--13:15	Sripacharasakullert, P. Mahidol University Applications of the Generalized Laplace Homotopy Perturbation Method on the Bi-Fractional Burgers Equation with Katugampola Fractional Integral Initial Condition	Baowan, D.
13:15--13:35	Konmuen, S. Mahidol University Fractional Modeling of Storage Silo with Heat Transfer and Moisture Content	Baowan, D.
13:35--13:55	Nuntaplook, U. Mahidol University Morphology-Dependent Resonances in two Concentric Spheres with Variable Refractive Index in the Outer Layer: Analytic Solutions	Baowan, D.
13:55--14:15	Berdinsky, D. Mahidol University Adaptive Mesh Refinement Techniques in Isogeometric Analysis and Its Generalization for Unbounded Domains	Baowan, D.
14:15--14:35	Sawangtong, P. King Mongkut's University of Technology North Bangkok Applications of Green Function Homotopy Perturbation Method to Fractional Heat Equations Based on the Riemann-Liouville Fractional Derivative	Baowan, D.
14:35--14:55	Kaewta, S. King Mongkut's University of Technology North Bangkok Exact Solutions of Integro-Time Fractional Partial Differential Equations Using Different Methods	Baowan, D.
14:55--15:10	Refreshment	
15:10--15:30	Sukuntee, N. Thammasat University A Projection-Based Nonlinear Model Reduction Approach Using K-Medoids and ANN for the Parametrized Burgers Equation	Orankitjaroen, S.

Room C (Crystal 1--2, 3rd floor)

Time	Speaker/Title	Chair
12:55--13:15	Bosuwan, N. Mahidol University Determining Radii of Meromorphy via Orthogonal Polynomials on the Unit Circle	Maneesawarng, C.
13:15--13:35	Wajasat, M. Mahidol University Convergence in Hausdorff Content of Hermite-Padé Approximants to Polynomial Expansions	Maneesawarng, C.
13:35--13:55	Puttirungroj, C. Thammasat University Contravariant Non-commutative Differential Calculus	Maneesawarng, C.
13:55--14:15	Aekthong, S. Mahidol University Effects of Parathyroid Hormone, Prolactin and Impulsive Estrogen Supplement on Bone Resorption and Bone Formation: A Modelling Approach	Maneesawarng, C.
14:15--14:35	Chairuang, T. King Mongkut's Institute of Technology Ladkrabang A Carbon Dioxide Concentration Measurement Model in an Outpatient Room with a Ventilation System	Maneesawarng, C.
14:35--14:55	Chantawat, C. Khon Kaen University Finite-Time Synchronization of Coronary Artery Chaos System with Input Time-Varying Delay	Maneesawarng, C.
14:55--15:10	Refreshment	
15:10--15:30	Pornprakun, W. King Mongkut's University of Technology North Bangkok A Comparison of Four Optimization Methods for Optimal Harvesting of Sugarcane in Thailand	Chayantrakom, K.

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Time	Speaker/Title	Chair
15:30--16:00	* Pal, M. University of Calcutta Bayesian Mixture Designs for Hypothesis Testing	Satiracoo, P.
16:00--16:30	* Peters, GW. Heriot Watt University Perspectives on Mortality Modelling	Satiracoo, P.
16:30--17:00	* Coolen, F. Durham University Statistical Reproducibility of Hypothesis Tests	Satiracoo, P.
18:30--21:30	Welcome dinner at the Grand Ballroom, 3rd floor	

Room B (Crystal 3--4, 3rd floor)

Time	Speaker/Title	Chair
15:30--15:50	Sirisubtawee, S. King Mongkut's University of Technology North Bangkok Variable Coefficient Exact Solutions of Certain Nonlinear Conformable Partial Differential Equations Using an Auxiliary Equation Method	Orankitjaroen, S.
18:30--21:30	Welcome dinner at the Grand Ballroom, 3rd floor	

Room C (Crystal 1--2, 3rd floor)

Time	Speaker/Title	Chair
15:30--15:50	Chuchard, P. Ramkhamhaeng University Transient Pressure-Driven Electro-Osmotic Flow Through Elliptic Cylindrical Microchannels	Chayantrakom, K.
15:50--16:10	Fongfoung, M. King Mongkut's University of Technology Thonburi Analysis of Equilibrium Shapes of Clamped-End Beam Subjected to a Concentrated Load	Chayantrakom, K.
18:30--21:30	Welcome dinner at the Grand Ballroom, 3rd floor	