ICMA-MU 2020 Conference Program

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

December 20, 2020

Room A (Grand Ballroom, 3rd floor)

Time	Speaker/Title	Chair
09:00--09:20	Hongsri, A. Khon Kaen University Improved Delay-Dependent Criteria for Synchronization of Complex Dynamical Networks with Time-Varying Coupling Delay and Sampled-Data Control via New Integral Inequality	Sawangtong, W.
09:20--09:40	Khongja, P. Khon Kaen University A New Guaranteed Cost Control for Exponential Function Projective Synchronization of Complex Dynamical Networks with Mixed Time-Varying Delay Couplings via Hybrid Feedback Control	Sawangtong, W.
09:40--10:00	Luemsai, S. Khon Kaen University A Novel Extended Dissipativity Criteria for Generalized Neural Networks with Interval Discrete Time-Varying Delay	Sawangtong, W.
10:00--10:20	Phanlert, C. Khon Kaen University Stability Analysis of Neural Networks with Mixed Interval Time-Varying Delays Using the Multiple Integral Lyapunov-Krasovskii Functional	Sawangtong, W.
10:20--10:35	Refreshment	
10:35--10:55	Chumpu, R. Sirindhorn International Institute of Technology, Thammasat University Two-Way Coupling Computational Fluid Dynamics with Explicit Dynamics Modeling and Simulation of Microneedle Structures	Chayantrakom, K.
10:55--11:15	De La Fuente Ruiz, A. Mahidol University Modelling and Simulation of Surface Waves on Geodetic Datum from Scattered Time Series Data-A MATLAB Case Study for Covid-19 Wave Spread	Chayantrakom, K.
11:15--11:35	Arunsingkarat, S. Mahidol University Machine Learning in Modelling and Forecasting Mortality	Chayantrakom, K.
11:35--11:55	Triyasute, N. King Mongkut's Institute of Technology Ladkrabang A Naive Data Clustering Analysis for Air Quality Monitoring in Bangkok, Thailand	Chayantrakom, K.
11:55--12:55	Lunch (Roberto Room, 2nd floor)	

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

Time	Speaker/Title	Chair
09:00--09:20	Zamart, C. Khon Kaen University Finite-Time Extended Dissipative for Neural Networks with Interval Time-Varying Delays and Distributed Delays	Laesanklang, W.
09:20--09:40	Buathong, P. Mahidol University A Linear Programming Approach to the (t,r) Broadcast Domination Number	Laesanklang, W.
09:40--10:00	Limphattharachai, O. Mahidol University A Tabu Search Heuristic for Multi-Period Home Health Care Problem with Nurse-Patient Relationship	Laesanklang, W.
10:00--10:20	Padungwech, W. Mahidol University Classification of Mixed Data Types with Application to Accident Cases and Surveyor Location Planning	Laesanklang, W.
10:20--10:35	Refreshment	
10:35--10:55	Chumworathayee, P. Mahidol University Stochastic Particle Modelling in Bangkok Traffic Flow	Krityakierne, T.
10:55--11:15	Sinpayak, P. Mahidol University Multi-Objective Optimization for Crop Allocation in Chiang Mai, Thailand	Krityakierne, T.
11:15--11:35	Ieosanurak, W. Khon Kaen University Traffic Simulation of Freeway Network Model with Ramp Metering and Variable Speed Limit	Krityakierne, T.
11:35--11:55	Chuchalerm, N. Mahidol University Gas Flow in Deformable Microchannel of Arbitrary Cross Section	Krityakierne, T.
11:55--12:55	Lunch (Roberto Room, 2nd floor)	