December 18, 2018

* * * Afternoon refreshment at leisure * * *		
Room A (Sapphire I--II, 2nd floor)		
Time	Speaker/Title	Chair
09:00--09:50	***** Sinha, BK.** University of Maryland, Baltimore County Some Aspects of Big Data	Borkowski, J.
09:50--10:30	**** Ramachandran, R.** Alagappa University Fractional Delay Segments on Time-Delayed Recurrent Neural Networks with Impulsive and Stochastic Effects: an Exponential Stability Approach	Tangmanee, S.
10:30--10:45	*Refreshment*	
10:45--11:15	*** Van Wouwe, M.** University of Antwerp Detection and Smoothing of Outliers in Univariate and Multivariate Triangles using the Chainladder method	Minh Manh, NV.
11:15--11:35	**Konglok, SA.** Kasetsart University Si Racha Campus Numerical Simulations of Three-Dimensional Air Pollution Measurement of Multiple Point Sources Model with Several Atmospheric Stability Classes using Fractional Step Method	Tangmanee, S.
11:35--11:55	**Pochai, N.** King Mongkut's Institute of Technology Ladkrabang A One-dimensional Mathematical Simulation to Salinity Control in a River with a Barrage Dam using an Unconditionally Stable Explicit Finite Difference Method	Tangmanee, S.
11:55--12:15	**Pornsawad, P.** Silpakorn University Convergence Rate Analysis for the Modified Landweber Method of Nonlinear Ill-Posed Problems	Tangmanee, S.
12:15--12:35	**Vanishkorn, B.** King Mongkut's Institute of Technology Ladkrabang A Numerical Computation of Time-Independent Water Quality Measurement Model in a Uniform Flow Stream Using a Chebyshev Collocation Technique	Tangmanee, S.
12:35--13:35	*Lunch (Roberto Room, 2nd floor)*	
13:35--13:55	**Pothiphan, S.** Mahidol University Effects of The Wind Speeds on Heat Transfer in a Street Canyon with a Sky-Train Station	Lenbury, Y.
13:55--14:15	**Jankaew, K.** Mahidol University A Mathematical Model of Mealybug and Green Lacewing with Time Delay	Lenbury, Y.
14:15--14:35	**Rattanakul, C.** Mahidol University Dynamical Modelling of the Control of Brown Planthopper by a Biological Control Agent and a Pathogen	Lenbury, Y.
14:35--14:55	**Chamchod, F.** Mahidol University Optimal Vaccination of a Fractional-Order System for Controlling the Spread of an Infectious Disease Among Small Ruminants	Lenbury, Y.
14:55--15:15	**Chanman, N.** Mahidol University A Mathematical Model of Antibiotic Resistance Evolution: Effects of Drug Interactions	Lenbury, Y.
15:15--15:35	**Chomcheon, S.** Mahidol University Stability and Hopf Bifurcation in a Model of Drug Resistance with Conversion Delay and Impulsive Antibiotic Treatments	Lenbury, Y.
15:35--15:55	**Putthikorn, S.** Mahidol University Encapsulation Energy of Drug Molecule into Lipid Nanotube	Lenbury, Y.

* * * Afternoon refreshment at leisure * * *		
Room B (Crystal 1--2, 3rd floor)		
Time	Speaker/Title	Chair
09:50--10:30	**** Bohning, D.** University of Southampton Research Synthesis of Rare Count Outcome Data Arising from Several Studies	Mathew, T.
10:30--10:45	*Refreshment*	
10:45--11:15	*** Wang, S.** Curtin University Recent Advances in Numerical Methods for HJB Equations Arising in Financial Engineering	Rattanakul, C.
11:15--11:35	**Satiracoo, P.** Mahidol University Parameter Estimation of a Stochastic Model of Gastric Emptying	Rattanakul, C.
11:35--11:55	**Vatiwutipong, P.** Mahidol University Alternative Way to Derive the Distribution of the Multivariate Ornstein-Uhlenbeck Process	Rattanakul, C.
11:55--12:15	**Chaichuay, C.** King Mongkut's Institute of Technology Ladkrabang A Steady State Mathematical Model of Nitrate Dispersion Measurement in a Uniform Flow Stream	Rattanakul, C.
12:15--12:35	**Pornprakun, W.** King Mongkut's University of Technology North Bangkok Optimization of Sugarcane Harvesting using ε-Constraints and Optimal Control Methods	Rattanakul, C.
12:35--13:35	*Lunch (Roberto Room, 2nd floor)*	
13:35--14:05	*** Thamwattana, N.** The University of Newcastle, Australia Modelling Neural Cells and Cell-Cell Interactions in Phagocytosis	Baowan, D.
14:05--14:25	**Kaewvichai, R.** Mahidol University Stability and Bifurcation of a Fractional Derivative Model for Describing the Removal of an Organic Pollutant from Water	Tangmanee, S.
14:25--14:45	**Ketchuea, T.** Mahidol University Estimates of Tapee River Discharge Using the Saint Venant Equations	Tangmanee, S.
14:45--15:05	**Sangngam, R.** Mahidol University A Mathematical Modelling of Gastrointestinal Tract: An Influence of Gastric Emptying on Glucose Concentration	Tangmanee, S.
15:05--15:25	**Lenbury, Y.** Mahidol University Analysis of Advection- Diffusion-Reaction Model for Fish Population Movement with Impulsive Tagging: Stability and Travelling Wave Solution	Tangmanee, S.
15:25--15:45	**Srikhaetai, K.** Mahidol University Numerical Prediction of Oil Spill Trajectory in the Gulf of Thailand	Tangmanee, S.

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Time	Speaker/Title	Chair
* * * Afternoon refreshement at leisure * * *	
Room C (Crystal 3, 3rd floor)	

Time	Speaker/Title	Chair
09:50--10:30	** **Dinh, HQ.** Kent State University Symbol-Pair Distance Distribution of Repeated-Root Constacyclic Codes of Prime Power Length over Finite Fields	Huynh, DV.
10:30--10:45	*Refreshment*	
10:45--11:15	* **Tran, DQ.** Post and Telecommunications Institute of Technology (PTIT) Similar Measure and Computational Functions for Topic Trust in Social Network	Hai, BX.
11:15--11:35	**Promdee, N.** Khon Kaen University Exponential Passivity and Stability for Uncertain Neural Networks with Mixed Interval Time-Varying Delays	Ramachandran, R.
11:35--11:55	**Srisuntorn, R.** Khon Kaen University Modified Function Projective Synchronization of Master-Slave Neural Networks with Mixed Interval Time-Varying Delays via Intermittent Feedback Control	Ramachandran, R.
11:55--12:15	**Thipcha, J.** Maejo University Exponential Stability for Genetic Regulatory Networks (GRNs) with Mixed Time-varying Delays	Ramachandran, R.
12:15--12:35	**Yotha, N.** Rajamangala University of Technology Isan Mixed H_{∞} / Passive Function Projective Synchronization of Delayed Neural Networks with Hybrid Coupling based on Pinning Sampled-Data Control	Ramachandran, R.
12:35--13:35	*Lunch (Roberto Room, 2nd floor)*	
13:35--14:05	* **Long, BT.** University of Technology, Vietnam National University Inverse Algorithm for Determination Suspected Resources for Water Pollution Control	Minh Man, NV.
14:05--14:25	**Warapathirunmas, C.** Mahidol University An Individual-Based Model for 2009 Pandemic Influenza A (H1N1) Transmission in Bangkok	Sawangtong, W.
14:25--14:45	**Modchang, C.** Mahidol University Mathematical Modelling of Zika Virus Transmission in Brazil: Effects of Seasonal Change	Sawangtong, W.
14:45--15:05	**Aekthong, S.** Mahidol University An Investigation of the Spread of Cassava Mealybugs in a Cassava Field With a Biological Control by the {\it Anagyrus Lopezi} Wasps: Modeling and Simulation	Sawangtong, W.
15:05--15:25	**Manorod, S.** Mahidol University Mathematical Modelling of a Biological Control of Brown Planthoppers	Sawangtong, W.
15:25--15:45	**Bunwong, K.** Mahidol University Effects of Changes in Salinity on Osmoconforming Bivalves via Energy Balance and Impulsive Mathematical Model	Sawangtong, W.
15:45--16:05	**Sunthawanic, K.** Mahidol University Oyster Population Dynamics with Seasonal Forcing in Salinity-Dependent Mortality	Sawangtong, W.

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colspan	* * * Afternoon refreshement at leisure * * *	
	Room D (Crystal 4, 3rd floor)	
10:45--11:15	* **Pal, N.** University of Louisiana at Lafayette Hypothesis Testing on the Mean of a Skew-Normal Distribution with Applications to Stock Market Data	Bohning, D.
11:15--11:45	* **Rao, KM.** University of Botswana Market Sentiments Paradigm-Probability Model Based Inference	Bohning, D.
11:45--12:05	**Haughton, D.** Bentley University Dynamics of Reward-based Crowdfunding: Kickstarter Rock Music Projects	Bohning, D.
12:05--12:25	**Vatiwutipong, P.** Mahidol University Modeling Dividend Yield of SET50 Index with a Stochastic Earning Yield	Bohning, D.
12:35--13:35	*Lunch (Roberto Room, 2nd floor)*	
13:35--14:05	* **Sheen, D.** Soeul National University An Algebraic Multiscale Method	Licht, C.
14:05--14:25	**Techitnutsarut, P.** Mahidol University Transmission Dynamics of Rabies Among Vagrant Dogs: Short- and Long-Term Incubation, Seasonality, and Vaccination	Licht, C.
14:25--14:45	**Terapabkajornded, Y.** Mahidol University Thin Linearly Viscoelastic Kelvin-Voigt Type Plates Revisited	Licht, C.
14:45--15:05	**Triampo, W.** Mahidol University Modelling the Effects of Light on the Growth of Algae	Licht, C.
15:05--15:25	**Khlongkhoi, P.** Mahidol University A Deep Learning Technique of Oil Spill Prediction in the Gulf of Thailand	Licht, C.
15:25--15:45	**Sriwichien, S.** Mahidol University Numerical Simulation of Oil Spill in the Gulf of Thailand Using Ocean Wave Model	Licht, C.
15:45--16:05	**Songsanga, D.** Mahidol University Estimation for Basic Reproduction Number of Zika modelling	Licht, C.