ICMA-MU 2018 Conference Program

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

18:30--21:30 Welcoming dinner at the Grand Ballroom, 3rd floor

December 16, 2018

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16:4517:05 Global Stability and Sensitivity Analysis for an Fhola Disease Model Iangmanee, 17:0517:25 Approximate Analytical Solution of Fractional Multi-Dimensional Light				17:0517:25		Licht, C.
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ICMA-MU 2018 Conference Program

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

ICMA-MU 2018 Conference Program

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

December 16, 2018 * * * Afternoon refresher

December 16, 2018 * * * Afternoon refreshement at leisure * * *				December 16, 2018 *** Afternoon refreshement at leisure * * *			
Room C (Crystal 3, 3rd floor)				al 4, 3rd floor)			
Time	Speaker/Title	Chair	Time	Speaker/Title	Chair		
10:3511:15	** Borkowski, J. Montana State University An Overview of Methods for Generating Space-Filling Sets of Experimental Design Points	Pal, M.	10:4511:15	* Xu, H. Curtin University Solving Two-Stage Stochastic Games by Progressive Hedging	Minh Ma NV.		
11:1511:45	* Muchtadi-Alamsyah, I. Institut Teknologi Bandung Linear Codes Over	Pal, M.	11:1511:45	* Morgan, J. Curtin University The Quest for the Provision of Adequate and Sustainable Retirement Incomes	Minh Ma NV.		
11:4512:05	Buathong-lem, E. Mahidol University Data Compression via Multidimensional Fibonacci Encoding	Pal, M.	11:4512:05	Phewchean, N. Mahidol University European Option Pricing Model With Compound Ornstein- Uhlenbeck Process Under Stochastic Earning Yield and Stochastic Dividend Yield	Minh Ma NV.		
12:0512:25	Marisinganahalli, PM. Dr. Ambedkar Institure of Technology Varieties of Rational metric dimensions of certain classes of regular Graphs	Pal, M.	12:0512:25	Tonking, D. Chulalongkorn University An Application for the Prediction of Turning Points in the Time Series of Stock Prices	Minh Ma NV.		
12:2513:25	Lunch (Roberto Room, 2nd floor)		12:2513:25	Lunch (Roberto Room, 2nd floor)			
13:2513:55	* Doan The, H. College of Education, Hue university A Weighted Volume Estimate and its Application to Bernstein Type Theorems in Gauss Space	Sanh, NV.	13:2513:55	* Caccetta, L. Curtin University of Technology Operations Research in Open Pit Mining- As a Way to Maximize Opportunity and Minimise Risk	Ananchu n, N.		
13:5514:25	* Sooryanarayana, B. Dr. Ambedkar Institute of Technology On Optimal Multilevel Labeling of Graphs	Ananchuen, N.	13:5514:25	* Barrios, EB. University of the Philippines Diliman On the Analysis of Clinical Trials with Covariates	Sinha, Bikas.		
14:2514:45	Mudibidre, J. Ambedkar Institute of Technology On Classes of Rational Resolving Sets of Power Graphs of a Path	Ananchuen, N.	14:2514:55	* Mathew, T. University of Maryland, Baltimore County Multivariate Reference Regions in Laboratory Medicine	Sinha, Bikas.		
14:4515:05	Peereeyaphat, A. Chulalongkorn University Some Constructions of Cyclic Clique Decompositions of Power of Cycles	Ananchuen, N.	14:5515:15	Chueanun, S. Mahidol University Values of Contract and Additional Ordering Policy in Two-stage Supply Chain	Nummi,		
15:0515:25	S, Y. Dr Ambedkar Institute of Technology, Bangalore, Karnataka, India. Anti-Multilevel Distance Radio Labelings	Ananchuen, N.	15:1515:35	Chaimontree, S. Prince of Songkla University, Pattani Campus Pattern Hotspot for Violent Incidences in Three Deep South Provinces, Thailand	Nummi,		
15:2515:45	Sequeira, SL. B.M.S.College of Engineering,Bangalore On the Neighborhood Alliance sets in a Graph	Ananchuen, N.	15:3515:55	Eso, M. Prince of Songkla University Violent Conflict Related to Women and Children in Southernmost Provinces of Thailand	Pal, N.		
15:4516:05	Hegde, C. Mangalore University On Generalized Distance Alliances in Graphs	Ananchuen, N.	15:5516:15	Huynh, U. Mahidol University Statistical Inference for Analysing Groundwater Pollution Data in Mekong Delta Region, Vietnam	Pal, N.		
16:0516:35	* Artamonov, V. Moscow State University Polynomially Comlete Quasigroups and Their Applications	Sanh, NV.	16:1516:35	Thiuthad, P. Prince of Songkla University On Point Estimation of the Location Parameter of a Skew- Normal Distribution	Pal, N.		
16:3517:05	* Bui, XH. National University of Ho Chi Minh City On Free Subgroups in Maximal Subgroups of Skew Linear Groups	Sanh, NV.	16:3516:55	Wongprachan, R. Maejo University Point and Interval Estimation of the Population Size Using a Zero-Truncated Poisson Lindley distribution	Pal, N.		
17:0517:25	Berdinsky, D. Mahidol University A Note on Numerical Characteristics of Cayley Automatic Groups	Sanh, NV.	16:5517:15	Dhungana, AR. Pokhara University Factors Associated with Socio-economic Status of Dalit People Getting Old Age Allowance in Pokhara	Pal, N.		

18:3021:30	Welcoming dinner at the Grand Ballroom, 3rd floor	18:3021:30	Welcoming dinner at the Grand Ballroom, 3rd floor

Room A (Sapphire I--II, 2nd floor)

December 17, 2018

Time

09:00--09:50

09:50--10:20

10:20--10:40

10:40--10:55

10:55--11:25

11:25--11:45

11:45--12:05

12:05--12:25

13:25--13:45

14:05--14:25

14:25--14:45

14:45--15:05

15:25--15:45

15:45--16:05

16:05--16:25

16:25--16:45

16:45--17:05

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

** Huynh, DV. Ohio University Athens

Optimal Control Problem of a SIR Reaction-Diffusion

impunchat, B. King Mongkut's Institute of Technology

Mathematical Model of the Barrier-Layer Formation in the Sea: Effect of Salinity and Algae Distribution

Tangmanee, S.

A Characterization of Noetherian Rings

Kwon, H. Inha University

Ladkrabang

Registration

Evolution Method

12:25--13:25 Lunch (Roberto Room, 2nd floor)

Freatment

Model with Inequality Constraints

Kang, M. Seoul National University

Deep Learning and Some Applications

athong, P. Mahidol University A RKHS Embedding Approach to Gaussian Process

Chumchob, N. Silpakorn University

Anam, S. Brawijaya University

lwiang, S. Silpakorn University

Marsudi, M. Brawijaya University

Trisilowati, T. Brawijaya University

Model with Chemotherapy unkluarb, N. Mahidol University

Different Geometries

Ladkrabang

egression When Inputs are Point Sets

A New Alternating Minimization for TV-based Image

Exudate Extraction in Fundus Image by Using the

Maximum Entropy and the Distance Regularized Level Set

The Time Series Seasonal Patterns of Dengue Fever and

Associated Weather Variables in Bangkok (2003-2017)

Optimal Control Strategies and Cost Effectiveness Analysis of HIV Model with Educational Campaign and

Optimal Control of a Tumor-Immune System Interactions

Numerical Simulation for Efficient Static Mixers with

Simulation and Modeling of Mae-suai Dam Break

Charoenpong, J. King Mongkut's Institute of Technology

Simulation with GUI in MATLAB of Ocean Wave and Erosion in the Southern Thailand's East Coast

Numerical Simulation of Air Pollutant in Street Canyon

aennakham, S. Suranaree University of Technology

Function in Dual Reciprocity Boundary Element Method

A Numerical Test on a Hybrid Shapefree Radial Basis

Stability Analysis of SEIR Model of Tuberculosis with

Quality Measurement under a Landfill Site using a Finite

Sirisubtawee, S. King Mongkut's University of Technolog

A Caputo-Fabrizio Fractional Differential Equation Model

angkuti, YM. State University of Medan

aenkarun, S. Ubon Ratchathani University A Steady-state Mathematical Model for Groundwater

or HIV/AIDS with Treatment Compartment

ecovery Time Delay in Medan

Difference Method

North Bangkok

Busaman, A. Prince of Songkla University

homcheon, S. Mahidol University

with the Sky-Train Station

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

	December 17, 2018	3	
		reshement at leisure * * *	
Chair	Room B (Crystal 1 Time	Speaker/Title	Chair
Sanh, NV.			G.G.
Minh Man, NV.	09:5010:10	Chartbupapan, W. Khonkaen University New passivity analysis for certain neutral integro- differential equations with non-differentiable interval time-varying delays	Moore, E.
Minh Man, NV.	10:10–10:30	Chawengkrittayanont, P. King Mongkut's University of Technology North Bangkok Third-Order Sliding Mode Control for Uncertain Second- Order Nonlinear Systems	Moore, E.
	10:3010:45	Refreshment	
Tran D. Que.	10:4511:05	Kaewbanjak, N. Kasetsart University On Delay-Range-Dependent Robust Stability of LPD Discrete-Time System with Mixed Interval Time-Varying Delays and Nonlinear Perturbations	Moore, E.
Tran D. Que.	11:0511:25	Tangsiridamrong, P. Khon Kaen University Stability and Passivity Analysis of Uncertain Linear Discrete-Time System with Mixed Interval Time-Varying Delays	Moore, E.
Tran D. Que.	11:2511:45	Udpin, S. Kasetsart University Kamphaeng Sean Campus Exponential Stability of Discrete-Time Uncertain Neural Networks with Time-Varying Leakage Delays	Moore, E.
Tran D. Que.	11:4512:05	Leekparn, T. King Mongkut's University of Technology North Bangkok Applications of the modified Kudryashov method for solving the conformable space-time fractional complex Ginzburg-Landau equations	Moore, E.
	12:0512:25	Rojsiraphisal, T. Chiang Mai University New Finite-Time Stability and Stabilization Criterion of Linear System with Time-varying Delay using New Integral Inequalities	Moore, E.
	12:2513:25	Lunch (Roberto Room, 2nd floor)	
Rattanakul, C.	13:2513:45	Prasertsang, P. Kasetsart University, Chalermprakiat Sakon Nakhon Province Campus Exponential Function Projective Synchronization Between Two Delayed Neural Networks via Hybrid Adaptive Periodically Intermittent Control	Ramachandran, R.
Rattanakul, C.	13:4514:05	Botmart, T. Khon Kaen University New Analysis on Robust H Controller Design for Exponential Stability of Uncertain Delayed Neural Networks via Hybrid Feedback Control	Ramachandran, R.
Rattanakul, C.	14:0514:25	Weera, W. University of Pha Yao A New Approach to Exponential Stability Analysis of New Certain Nonlinear Neutral Differential Equations with Mixed Time-Varying Delays	Ramachandran, R.
Rattanakul, C.	14:2514:45	Emharuethai, C. Maejo University H _∞ control for neural networks with time varying delay based on an improved reciprocally convex inequality	Ramachandran, R.
Rattanakul, C.	14:4515:05	Meesuptong, B. Khon Kaen University Improved Delay-Dependent Exponential Stability Criteria for Neutral System with Time-Varying Delays and Nonlinear Uncertainties	Ramachandran, R.
Tangmanee, S.	15:0515:25	Pinjai, S. Rajamangala University of Technology Lanna Exponential Stability and H _∞ Performance for Neutral Systems with Interval Time-Varying Delays and Nonlinear Perturbations	Ramachandran, R.
Tangmanee, S.	15:2515:45	Samorn, N. Khon Kaen University New Results on Delay-range-dependent Robust Exponential Stability for Uncertain Neutral Systems with Mixed Interval Time-varying Delays and Nonlinear Perturbations	Ramachandran, R.
Tangmanee, S.	15:4516:05	Tino, N. Chiangmai University Finite-Time Synchronization Analysis Between Two Different Chaotic Systems by Virtue of Adaptive Sliding Mode Control	Baowan, D.
Tangmanee, S.	16:0516:25	Chuai-Aree, S. Prince of Songkla University, Pattani Campus Predicting Hourly Solar Energy Map from Satellite Images Using Fast Artificial Neural Networks	Baowan, D.
Tangmanee, S.	16:2516:45	Suksamran, J. King Mongkut's University of Technology North Bangkok A Reaction Diffusion Model for Fish Population Incorporating Time Dependent Fishery Intensity: Travelling Wave Solution	Baowan, D.
		Sukwong, N. King Mongkut's University of Technology	

North Bangkok

ow-up Phenomena for a Porous Medium Equation with

Baowan, D.

16:45--17:05

oom C (Crystal 3,	reshement at leisure * * * 3rd floor)	**:	Room D (Crystal 4, 3	
Time	Speaker/Title	Chair	Time	ru
09:5010:10	Phudolsitthiphat, N. Chiang Mai University Pair Upper Class of Type on Coupled Coincidence Point Results in Partially Ordered JS-Metric Spaces	Rattanakul, C.	09:5010:10	D
10:1010:30	Triska, A. Institut Teknologi Bandung Pattern Formation of Spatial Epidemic Model: Effect of Cross Diffusion and Varying Initial Conditions	Rattanakul, C.	10:1010:30	D
10:3010:45	Refreshment		10:3010:4	5
10:4511:15	* Le, VT. Hue University On Automorphism-Invariant Rings with Chain Conditions	Quynh, TC.	10:4511:0	5
11:1511:45	* Le, AV. University of Economics and Law, VNU-HCMC Apply Matrix Congruence To Classify Real Solvable Lie Algebras Having 1-codimensional or 2-codimensional Derived Ideal	Quynh, TC.	11:0511:2!	5
11:4512:05	Wadsanthat, A. Mahidol University Dynamics of Some Quadratic Maps on Finite Fields of Characteristic Two	Quynh, TC.	11:2511:4	5
12:0512:25	Bosuwan, N. Mahidol University Inverse Results on Row Sequences of Multipoint Padé Approximants	Quynh, TC.	11:4512:0!	5
			12:0512:2	5
12:2513:25	Lunch (Roberto Room, 2nd floor)		12:2513:25	5
13:2513:45	Nanthanasub, T. Mahidol University Logarithmic Concavity of Modified Bessel Function of the First Kind	Maneesawarng, C.	13:2513:5!	5
13:4514:05	Sawangtong, P. King Mongkut's University of Technology North Bangkok Green's Function Homotopy Perturbation Method for the Initial-Boundary Value Problems	Maneesawarng, C.	13:5514:2!	5
14:0514:25	Thanompolkrang, S. Burapha University Generalized Fractional Power Series to Conformable Fractional Differential Equations	Maneesawarng, C.	14:2514:5!	5
14:2514:45	Rajchakit, G. Maejo University Stability of Switched Discrete-Time Systems	Maneesawarng, C.	14:5515:2	5
14:4515:15	* Nam, TT. Ho Chi Minh University of Pedagogy Some Finiteness Results for Co-Associated Primes of Generalized Local Homology Modules	Vu, LA.	15:2515:4	5
15:1515:35	Saengsura, K. Mahasarakham University Clones of Co-Operations Defined on {0,1,2}	Vu, LA.	15:4516:0!	5
15:3516:05	* Wijayanti, IE. Universitas Gadjah Mada On the Generalization of Idealizer in Modules over Endomorphisms Ring	Sanh, NV.	16:0516:2!	5
16:0516:35	* Quynh, TC. Danang University Some Results on Automorphism-Invariant Modules	Sanh, NV.	16:2516:4	5
16:3516:55	Panichkitkosolkul, W. Thammasat University Interval Estimator for the Standard Deviation of a Normal Distribution with a Known Coefficient of Variation and a Bounded Population Mean	Quynh, TC.	16:4517:0!	5

on refreshement a	t leisure * * *	
Time	Speaker/Title	Chair
09:5010:10	A S, S. REVA University Characterization and Realization of Graphs of Neighbourhood Metric Dimension Two	Ananchuen, N.
10:1010:30	Abidin, W. Bandung Institute of Technology Non-Isolated Resolving Sets of Corona Graphs with (n-2)- Regular Graph	Ananchuen, N.
10:3010:45	Refreshment	
10:4511:05	Kaewnimit, S. Mahidol University Analyzing the Efficiency of the Traffic Light Phasing System of the Traffic Circle at Victory Monument (Thailand) with Graph Theory	Ananchuen, N.
11:0511:25	M, VK. REVA University Anti Resolving Sets of a Graph	Ananchuen, N.
11:2511:45	Nambuddee, N. Khon Kaen University An Explore of Teachers' Interpretation of Mathematics Textbook about Addition and Subtraction by Using Lesson Study and Open Approach	Ananchuen, N.
11:4512:05	Thinwiangthong, S. Khon Kaen University Development of Teachers' Ability of Formative Assessment by Using Lesson Study and Open Approach	Ananchuen, N.
12:0512:25	David, R. Iwate Prefectural University The Calculus Behind Learning in DNNs Revisited	Ananchuen, N.
12:2513:25	Lunch (Roberto Room, 2nd floor)	
13:2513:55	* Pal, M. University of Calcutta D-Optimal Designs for Estimation of Optimum Mixture in a Three-Component Mixture Experiment with Two Responses	Pal, N.
13:5514:25	* Nummi, T. University of Tampere New Methods for the Analysis of Cardiology Ambulatory Data	Pal, N.
14:2514:55	* Sinha, BK. Retired Professor from ISI Reliability Estimation and Prediction Problems in Exponential Samples	Pal, N.
14:5515:25	* Yu, P. The University of Hong Kong Improved Estimation of Population Proportion using Ranked Set Sampling	Sinha, Bimal.
15:2515:45	Musikasuwan, S. Prince of Songkla University, Pattani Campus Statistical Analysis of Solar Radiation in Southern Thailand	Sinha, Bimal.
15:4516:05	Saelim, R. Prince of Songkla University, Pattani Campus Modeling Land Surface Temperature Change in South China from 2000 to 2018	Sinha, Bimal.
16:0516:25	Thongratta, PT. Kasetsart University An Effects of Climate Change on Rice Production, Acreage and Yield in Thailand	Sinha, Bimal.
16:2516:45	Astutik, S. Universitas Brawijaya Spatio-Temporal Variogram: The Comparation of Spatio- Temporal Covariances Model on Rainfall Data	Sinha, Bimal.
16:4517:05	Nguyen, M. Mahidol University Spatial Data Analysis for Air Pollution Prediction	Sinha, Bimal.
	10:10-10:30 10:10-10:30 10:30-10:45 10:4511:05 11:0511:25 11:2511:45 11:2513:25 13:2513:25 13:25-13:55 14:2514:25 14:2515:45 15:4516:05	AS, S. REVA University Characterization and Realization of Graphs of Neighbourhood Metric Dimension Two Abidin, W. Bandung Institute of Technology Non-isolated Resolving Sets of Corona Graphs with (n-2)- Regular Graph 10:30–10:45 Refreshment Kaewnimit, S. Mahidol University Analyzing the Efficiency of the Traffic Light Phasing System of the Traffic Circle at Victory Monument (Thailand) with Graph Theory 11:05–11:25 M. VK. REVA University Ant Resolving Sets of a Graph Nambuddee, N. Khon Kaen University An Explore of Teachers' Interpretation of Mathematics Textbook about Addition and Subtraction by Using Lesson Study and Open Approach 11:45–12:05 Thinwiangthong, S. Khon Kaen University Development of Teachers' Ability of Formative Assessment by Using Lesson Study and Open Approach 12:05–12:25 David, R. Iwate Prefectural University The Calculus Behind Learning in DNNs Revisited 12:25–13:25 Lunch (Roberto Room, 2nd floor) * Pal, M. University of Calcutta D-Optimal Designs for Estimation of Optimum Mixture in a Three-Component Mixture Experiment with Two Responses * Nummi, T. University of Tampere New Methods for the Analysis of Cardiology Ambulatory Data * Sinha, BK. Retired Professor from ISI Reliability Estimation and Prediction Problems in Exponential Samples * Yu, P. The University of Hong Kong Improved Estimation of Population Proportion using Ranked Set Sampling Musikasuwan, S. Prince of Songkla University, Pattani Campus Statistical Analysis of Solar Radiation in Southern Thailand 15:45–16:05 Musikasuwan, S. Prince of Songkla University, Pattani Campus Modeling Land Surface Temperature Change in South China from 2000 to 2018 16:05–16:25 Reflects of Climate Change on Rice Production, Acreage and Yield in Thailand 16:45–17:05 Nguyen, M. Mahidol University

ICMA-MU 2018 Conference Program

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

December 18, 2018

* * * Afternoon refreshement at leisure * * *					
Room A (Sapp	hire III, 2nd floor)				
Time	Speaker/Title	Chair			
09:0009:50	*** Sinha, BK. University of Maryland, Baltimore County Some Aspects of Big Data	Borkowski, J.			
09:5010:30	** Ramachandran, R. Alagappa University Fractional Delay Segments on Time-Delayed Recurrent Neural Networks with Impulsive and Stochastic Effects: an Exponential Stability Approach	Tangmanee, S.			
10:3010:45	Refreshment				
10:4511:15	* Van Wouwe, M. University of Antwerp Detection and Smoothing of Outliers in Univariate and Multivariate Triangles using the Chainladder method	Minh Manh, NV.			
11:1511:35	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.			
11:3511:55	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.			
11:5512:15	Pornsawad, P. Silpakorn University Convergence Rate Analysis for the Modified Landweber Method of Nonlinear III-Posed Problems	Tangmanee, S.			
12:1512:35	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.			
12:3513:35	12:3513:35 Lunch (Roberto Room, 2nd floor)				
13:3513:55	Pothiphan, S. Mahidol University Effects of The Wind Speeds on Heat Transfer in a Street Canyon with a Sky-Train Station	Lenbury, Y.			
13:5514:15	Jankaew, K. Mahidol University A Mathematical Model of Mealybug and Green Lacewing with Time Delay	Lenbury, Y.			
14:1514:35	Rattanakul, C. Mahidol University Dynamical Modelling of the Control of Brown Planthopper by a Biological Control Agent and a Pathogen	Lenbury, Y.			
14:3514:55	Chamchod, F. Mahidol University Optimal Vaccination of a Fractional-Order System for Controlling the Spread of an Infectious Disease Among Small Ruminants	Lenbury, Y.			
14:5515:15	Chanman, N. Mahidol University A Mathematical Model of Antibiotic Resistance Evolution: Effects of Drug Interactions	Lenbury, Y.			
15:1515:35	Chomcheon, S. Mahidol University Stability and Hopf Bifurcation in a Model of Drug Resistance with Conversion Delay and Impulsive Antibiotic Treatments	Lenbury, Y.			
15:3515:55	Putthikorn, S. Mahidol University Encapsulation Energy of Drug Molecule into Lipid Nanotube	Lenbury, Y.			

ICMA-MU 2018 Conference Program

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

December 18, 2018

Room B (Crystal	12, 3rd floor)	
Time	Speaker/Title	Chair
	** Bohning, D. University of Southampton	
09:5010:30	Research Synthesis of Rare Count Outcome Data	Mathew, T.
	Arising from Several Studies	
10:3010:45	Refreshment	
	* Wang, S. Curtin University	
10:4511:15	Recent Advances in Numerical Methods for HJB	Rattanakul, C.
	Equations Arising in Financial Engineering	
	Satiracoo, P. Mahidol University	
11:1511:35	Parameter Estimation of a Stochastic Model of	Rattanakul, C.
	Gastric Emptying	
	V-1	
44.25 45 55	Vatiwutipong, P. Mahidol University	B-11
11:3511:55	Alternative Way to Derive the Distribution of the	Rattanakul, C.
	Multivariate Ornstein-Uhlenbeck Process	
	Chaichuay, C. King Mongkut's Institute of	
11.55 12.15	Technology Ladkrabang	Datta naliiil C
11:5512:15	A Steady State Mathematical Model of Nitrate	Rattanakul, C.
	Dispersion Measurement in a Uniform Flow Stream	
	Pornprakun, W. King Mongkut's University of	
12:1512:35	Technology North Bangkok	Rattanakul, C.
12.13 12.33	Optimization of Sugarcane Harvesting using ε-	nattanakai, c.
	Constraints and Optimal Control Methods	
12:3513:35	Lunch (Roberto Room, 2nd floor)	
12.5515.55	* Thamwattana, N. The University of Newcastle,	
	Australia	
13:3514:05	Modelling Neural Cells and Cell-Cell Interactions in	Baowan, D.
	Phagocytosis	
	Kaewvichai, R. Mahidol University	
44.05.44.05	Stability and Bifurcation of a Fractional Derivative	T
14:0514:25	Model for Describing the Removal of an Organic	Tangmanee, S.
	Pollutant from Water	
	Ketchuea, T. Mahidol University	
14:2514:45	Estimates of Tapee River Discharge Using the Saint	Tangmanee, S.
14.25 14.45	Venant Equations	rungmanee, 3.
	Total Equations	
	Sangngam, R. Mahidol University	
	A Mathematical Modelling of Gastrointestinal	
14:4515:05	Tract: An Influence of Gastric Emptying on Glucose	Tangmanee, S.
	Concentration	
	Lenbury, Y. Mahidol University	
15:0515:25	Analysis of Advection- Diffusion-Reaction Model for	Tangmanoo
13.0313.25	Fish Population Movement with Impulsive Tagging:	Tangmanee, S.
	Stability and Travelling Wave Solution	
	Srikhaetai, K. Mahidol University	
15:2515:45	Srikhaetai, K. Mahidol University Numerical Prediction of Oil Spill Trajectory in the Gulf of Thailand	Tangmanee, S.

ICMA-MU 2018 Conference Program

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

	refreshement at leisure * * *	
Room C (Crysto	Speaker/Title	Chair
Time	Speaker/ little	Cnair
09:5010:30	** Dinh, HQ. Kent State University Symbol-Pair Distance Distribution of Repeated-Root Constacyclic Codes of Prime Power Length over Finite Fields	Huynh, DV.
10:3010:45	Refreshment	
10:4511:15	* Tran, DQ. Post and Telecommunications Institute of Technology (PTIT) Similar Measure and Computational Functions for Topic Trust in Social Network	Hai, BX.
11:1511:35	Promdee, N. Khon Kaen University Exponential Passivity and Stability for Uncertain Neural Networks with Mixed Interval Time-Varying Delays	Ramachandra , R.
11:3511:55	Srisuntorn, R. Khon Kaen University Modified Function Projective Synchronization of Master-Slave Neural Networks with Mixed Interval Time-Varying Delays via Intermittent Feedback Control	Ramachandra , R.
11:5512:15	Thipcha, J. Maejo University Exponential Stability for Genetic Regulatory Networks (GRNs) with Mixed Time-varying Delays	Ramachandra , R.
12:1512:35	Yotha, N. Rajamangala University of Technology Isan Mixed \$H_{\infty}\$ / Passive Function Projective Synchronization of Delayed Neural Networks with Hybrid Coupling based on Pinning Sampled-Data Control	Ramachandra , R.
12:3513:35	Lunch (Roberto Room, 2nd floor)	
13:3514:05	* Long, BT. University of Technology, Vietnam National University Inverse Algorithm for Determination Suspected Resources for Water Pollution Control	Minh Man, NV
14:0514:25	Warapathirunmas, C. Mahidol University An Individual-Based Model for 2009 Pandemic Influenza A (H1N1) Transmission in Bangkok	Sawangtong, W.
14:2514:45	Modchang, C. Mahidol University Mathematical Modelling of Zika Virus Transmission in Brazil: Effects of Seasonal Change	Sawangtong, W.
14:4515:05	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.
15:0515:25	Manorod, S. Mahidol University Mathematical Modelling of a Biological Control of Brown Planthoppers	Sawangtong, W.
15:2515:45	Bunwong, K.Mahidol University Effects of Changes in Salinity on Osmoconforming Bivalves via Energy Balance and Impulsive Mathematical Model	Sawangtong, W.
15:4516:05	Sunthawanic, K. Mahidol University Oyster Population Dynamics with Seasonal Forcing in Salinity-Dependent Mortality	Sawangtong, W.

ICMA-MU 2018 Conference Program

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

December 18, 2018

December 18, 2		
Room D (Crysta	refreshement at leisure * * *	
	Speaker/Title	Chair
Time	эрсокстуттас	Chan
	* Dal N	I
10:4511:15	* 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.
11:1511:45	* Rao, KM. University of Botswana Market Sentiments Paradigm-Probability Model Based Inference	Bohning, D.
11:4512:05	Haughton, D. Bentley University Dynamics of Reward-based Crowdfunding: Kickstarter Rock Music Projects	Bohning, D.
12:0512:25	Vatiwutipong, P. Mahidol University Modeling Dividend Yield of SET50 Index with a Stochastic Earning Yield	Bohning, D.
12:3513:35	Lunch (Roberto Room, 2nd floor)	
13:3514:05	* Sheen, D. Soeul National University An Algebraic Multiscale Method	Licht, C.
14:0514:25	Techitnutsarut, P. Mahidol University Transmission Dynamics of Rabies Among Vagrant Dogs: Short- and Long-Term Incubation, Seasonality, and Vaccination	Licht, C.
14:2514:45	Terapabkajornded, Y. Mahidol University Thin Linearly Viscoelastic Kelvin-Voigt Type Plates Revisited	Licht, C.
14:4515:05	Triampo, W. Mahidol University Modelling the Effects of Light on the Growth of Algae	Licht, C.
15:0515:25	Khlongkhoi, P. Mahidol University A Deep Learning Technique of Oil Spill Prediction in the Gulf of Thailand	Licht, C.
15:2515:45	Sriwichien, S. Mahidol University Numerical Simulation of Oil Spill in the Gulf of Thailand Using Ocean Wave Model	Licht, C.
15:4516:05	Songsanga, D. Mahidol University Estimation for Basic Reproduction Number of Zika modelling	Licht, C.