

The 1st International Annual Meeting in Mathematics -- Contributed Papers Schedule
Day 1: 18 May 2022
Room 1 (International)



<https://zoom.us/j/6652657295?pwd=WEluZGNFQmdTZDluM2pvSCtENWVvQT09> (Passcode: AMM2022)

เวลา - Time	รหัส - Code	ชื่อผู้นำเสนอ/ชื่อเรื่อง - Presenter/Title
14.00 – 14.20	DS-I-01	<u>Jakkrit Polrob</u> , Benjawan Rodjanadid, Jessada Tanthanuch and Eckart Schulz Binary Whale Optimization Algorithm For Improving Data Balance Based on Undersampling Techniques
14.20 – 14.40	DS-I-02	<u>Jigme Namgyal</u> and <u>Eckart Schulz</u> A Novel Decision Method for Multiclass Twin Support Vector Machines by Average Distance
14.40 – 15.00	DS-I-03	Wiboonsak Watthayu, Wittawin Susutti, Pirun Dilokpatpongsa, <u>Pawaton Kaemawichanurat</u> and Boonkong Dhakonlayodhin Artificial Intelligence (AI) System to Assess Crop Damage Areas for Basic Agriculturist Support After Disaster
Break		
15.20 – 15.40	DS-I-04	<u>Norapon Sukuntee</u> and Saifon Chaturantabut An Approach for Constructing Reduced-order Basis Based on Machine Learning with Manifold Distance
15.40 – 16.00	DS-I-05	<u>Jigme Namgyal</u> and Eckart Schulz Support Vector Machine Models for Diabetic Retinopathy Diagnosis and Grading
16.00 – 16.20	DS-I-06	<u>Pichapop Paewpolsong</u> , Dusita Ritthison, Krittidej Chanthawara and Sayan Kaennakham On a Local k-point Multiquadric Neural Network in Function Recovery Applications
16.20 – 16.40	DS-I-07	<u>Sittinon Pumpuang</u> and Jiraphan Suntornchost A modified Liu estimator for Linear Regression with Application
16.40 – 17.00	DS-I-08	<u>Saranchai Sinlapasorn</u> , Benjawan Rodjanadid, Jessada Tanthanuch and Bura Sindhupakorn Modeling to Predict the Patients' Postoperative Womac Score after Total Knee Replacement by Features Engineering and Gradient Boost Tree

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14.00 – 14.20	DE-I-01	<u>Thanatporn Bantaogjai</u> and Piyachat Borisut Ψ -Hilfer Fractional Differential Equations and Periodic Conditions involving O'Regan Fixed Point Theorem
14.20 – 14.40	DE-I-02	<u>Thitthita Iatkliang</u> and Sekson Sirisubtawee Applications of the Novel (G'/G^2) -Expansion Method for Solving Certain Nonlinear Conformable Partial Differential Equations
14.40 – 15.00	DE-I-03	<u>Supaporn Kaewta</u> , Pongpol Juntharee and Sekson Sirisubtawee Applications of the Laplace Variational Iteration and Laplace Homotopy Perturbation Methods for Solving Fractional Integro-differential Equations
Break		
15.20 – 15.40	DE-I-04	<u>Puttamon Phuwichit</u> and Nattapol Ploymaklam An Invariant-Preserving Three-Level Linear Finite Difference Method for the Viscous Fornberg-Whitham Equation
15.40 – 16.00	DE-I-05	<u>Kanyarat Phollamat</u> and Nattapol Ploymaklam An Invariant-Preserving Three-Level Linearized Finite Difference Method for the Korteweg-de Vries-Kawahara Equation with Added Viscosity Term
16.00 – 16.20	DE-I-06	<u>Weerachai Lertbunkarnkit</u> , <u>Jirapong Puangmalai</u> and Wanwisa Puangmalai Stability of Time-delay Systems via Modified Wirtinger Integral Inequality
16.20 – 16.40	DE-I-07	<u>Potcharapol Mukdasanit</u> and Sergey Meleshko One-dimensional Magnetogasdynamics Equations: Lie Group Classification, Conservation Laws
16.40 – 17.00	DE-I-08	<u>Artur Sergeev</u> Exact Solvability in Higher Dimensions: A New Perspective

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14.00 – 14.20	MN-I-01	<u>Theeradon Sakpetch</u> , <u>Kumkup Keeratisiwakul</u> , <u>Kodchakorn Klongklaw</u> , <u>Narawit Pratueangsukpong</u> and <u>Pat Vatiwutipong</u> A Mathematical Model and Simulation for Designing a Cost-Optimized Off-Grid House Solar Energy Storage System
14.20 – 14.40	MN-I-02	<u>Jatupat Chanakul</u> and <u>Saifon Chaturantabut</u> An Improved Denoising Method Using Hankel Matrix-Based SVD and Wavelet Transform
14.40 – 15.00	MN-I-03	<u>Siriwan Intawichai</u> and <u>Saifon Chaturantabut</u> An Application of Randomized Algorithm on Third-Order Tensor for Color Image Reconstruction
Break		
15.20 – 15.40	MN-I-04	<u>Parncheewa Toommakorn</u> , <u>Natthakan Saengnil</u> , <u>Teetuch Prasithwilai</u> , <u>Kanisorn Sawangsawai</u> and <u>Pat Vatiwutipong</u> Mathematical Modeling of the Efficiency of Car Parking Spaces Along the Roadside
15.40 – 16.00	MN-I-05	<u>Takkasart Foyhtong</u> and <u>Parkpoom Phetpradap</u> Expected Population Size in Discrete Time Branching Processes with In-migration
16.00 – 16.20	MN-I-06	<u>Nop Sopipan</u> Application of Extreme Value Theory for Maximum Rainfall at Nakhon Ratchasima Province
16.20 – 16.40	MN-I-07	<u>Wipawinee Chaiwino</u> and <u>Thanasak Mouktonglang</u> Cost effectiveness for Inspecting Thailand's Electricity High-voltage Transmission Lines using an improved genetic algorithm

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Day 2: 19 May 2022

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11.20 – 11.40	GG-I-01	<u>Pannawat Eakawinrujee</u> and Nantapath Trakultraipruk Γ -Paired Dominating Graphs of Some Paths and Some Cycles
11.40 – 12.00	AN-I-01	<u>Kittisak Tinpun</u> The Study on the Relative Rank of Transformation Semigroups with Restricted Range
Lunch Break		
14.00 – 14.20	AN-I-02	<u>Pattiya Thadathanakiat</u> and Preeyanuch Honyam Regularity and Some Green's Relations on Generalized Semigroups of Transformations with Fixed Set
14.20 – 14.40	AN-I-03	<u>Khwancheewa Wattanatripop</u> and Thodsaporn Kumduang The Partial Operation of Formulas with Applications to Formulas Generated by Order-decreasing Mappings
14.40 – 15.00	AN-I-04	<u>Anak Nongmanee</u> and Sorasak Leeratanavalee ν -Regular Ternary Menger Algebras and Some of Their Algebraic Properties
Break		
15.20 – 15.40	AN-I-05	Thanakorn Aunjai, Suthita Yangsud, Natkrita Mokchai and <u>Shayathorn Wanasawat</u> Generating Matrix of a Generalized Tribonacci Sequence by Divisibility Theory
15.40 – 16.00	AN-I-06	<u>Witthawas Phanthawimol</u> and Prasert Yoosamran Some Results on the Coset of the Hypergroup $(Z_n, \circ_m)$
16.00 – 16.20	AN-I-07	<u>Sahassawat Undonkloy</u> and Patchara Muangkarn Symmetric Tetra-(T,G)-Derivations of an Incline Algebra
16.20 – 16.40	AN-I-08	<u>Chotiros Surapholchai</u> Matrix Transformation for Projection on 2- and 3- Dimensional Spaces
16.40 – 17.00	AN-I-09	<u>Prapapit Chutimantanon</u> and Poj Lertchoosakul A Metric Result on a Subsequence of the Generalised Halton Sequence Induced by the Kronecker Sequence

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11.20 – 11.40	AT-I-01	<u>Woraphak Nithiarayaphaks</u> and Wutiphol Sintunavarat Sufficient Conditions for the Equality of Sets of Fixed Points for a Weak Enriched Contraction Mapping and its Double Average Mapping
11.40 – 12.00	AT-I-02	Thanatporn Bantaojai, <u>Natthisa Laengamta</u> and Cholatis Suanoom Fixed Point Theorems for New IRRC-Type Contraction on Rectangular Metric Spaces
Lunch Break		
14.00 – 14.20	AT-I-03	<u>Wasanont Pongsawat</u> Inequalities for $M_{\varphi} A(h, m)$ -strongly Convex Functions
14.20 – 14.40	AT-I-04	<u>Assawin Supuang</u> and Nattapong Bosuwan Remark on the Boundedness of Poles of Padé-orthogonal and Padé-Faber Approximants
14.40 – 15.00	AT-I-05	<u>Wasin Supakul</u> and Wutiphol Sintunavarat On the Precompactness in Asymmetric Cone Locally Convex Spaces
Break		
15.20 – 15.40	PR-I-01	<u>A.H. Nzokem</u> and V.T. Montshiwa The Ornstein--Uhlenbeck process and Variance Gamma Process: Parameter Estimation and Simulations
15.40 – 16.00	PR-I-02	<u>Pattira Tongiundee</u> and Varayut Boonyasri Bivariate Quadratic Transformations of Quasi-copulas
16.00 – 16.20	PR-I-03	<u>Tanayot Prapaithrakul</u> , Saharath Sanguanpong and Nantapath Trakultraipruk Winning Strategies of (i,j) Multimove Thai Chess

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14.00 – 14.20	GG-I-02	Pannarin Sangsawang, Cheevarat Matwangsang, Sireethon Thongsupol, Parinyawat Choosuwan and <u>Siripong Sirisuk</u> Generalized Order Divisor Graphs of Finite Groups
14.20 – 14.40	GG-I-03	<u>Monsikarn Jansrang</u> and Sivaram K. Narayan Some Classes of Line Graphs that Satisfy the Graph Complement Conjecture
14.40 – 15.00	GG-I-04	<u>Amphon Kliaram</u> , Akanat Wetayawanich and Pokpong Phanwichit The Study of the Envelope of a Family of Lines that Divide Areas of Triangles and Quadrilaterals