List of Presenters

The 9th SEAMS-UGM 2023 International Conference on Mathematics and Its Applications

No	Name	Research Interest	Title
1	Aang Nuryaman	Applied Mathematics	An Application Of The Adomian Decomposition Method To Solving Systems Of First-Order Partial Differential Equations
2	Abdul Gazir Syarifudin	Algebra	Topological Indices of the Relative Coprime Graph of the Dihedral Group
3	Abdul Hadi	Algebra	A Diffie-Hellman Key Exchange Protocol over the Eisenstein Integers
4	Agista Surya Bawana	Algebra	On the Order Divisor Graphs of Dihedral Groups
5	Agus Putradana Amertha	Statistics	Multi-Output Neural Network for Rainfall Forecasting in East Java Province Indonesia
6	Ahmad Fuad Zainuddin	Statistics	Workforce Grouping in Completing Projects with Intern Work Activity Log Data
7	Ahmad Fuad Zainuddin	Actuarial Science	Cluster Analysis of Sharia General Insurance Risk Levels based on Types of Claims and Their Coverages Value
8	Ahmad Rifan Ferdiyansyah	Statistics	Identification of Land Use for Crops In Jawa Timur Province Based on Multispectral Imaging with Time-Weighted Dynamid Time Wrapping Approach
9	Aminatus Sa'adah	Applied Mathematics	Estimation of Basic Reproduction Number in the Host-Vector Mathematical Model od Dengue using Extended Kalman Filter
10	Anastasia Nathania Putri	Applied Mathematics	Bifurcation Analysis and Reproductive Number Assessment in a Mathematical Model of Sclerotium Stem Rot: Implications for Trichoderma harzianum Treat
11	Andi Fitriawati	Actuarial Science	Valuation of The Portfolio for Unit-Linked Insurance under D-CPPI Strategy
12	Andra Citta Passadhi Arya	Statistics	Forecasting The Indonesia's Export Value using The Hybrid Method of ARIMAX-FFNN and Extreme Gradient Boosting (XGBoost)
13	Annisa Nur Falah	Statistics	Application of Clustering Spatial Autoregressive Exogenous Kriging Model for Prediction of Rainfall in West Java, Indonesia
14	Annisatul Nikmah	Statistics	Smooth Support Vector Machine Based on Polynomial Function for Depression Detection Using Electroenchephalogram (EEG) Signal

15	Annop Sonubon	Analysis	An Invariance of the Weighted Geometric Mean with Respect to the Generalized Quasi-Arithmetic Means
16	Anung Wicaksono	Mathematics Education	ETNOMATHEMATICS STUDIES ACCORDING TO THE BISHOP IN CHINESE CULTURE AT THE SANGGAR AGUNG TEMPLE AS BASIC LITERACY IN MATEMATICS
17	Arman Dela Cruz Santos	Mathematics Education	Assessing Dyscalculic Tendencies Among Children through a Mobile Application Screening Tool
18	Arman Dela Cruz Santos	Mathematics Education	Development and Validation of Scouts' MATHventures: A Mobile Application Screening Tool for Dyscalculic Tendencies
19	Arturo Jr Jaravata Patungan	Mathematics Education	Predicting LET Results for Mathematics Teachers Using Machine Learning: A Comparative Study
20	Assunta Malar Patrick Vincent	Statistics	Adaptation of Stochasticity into Activation Function of Deep Learning for Stock Price Forecasting
21	Atina Husnaqilati	Statistics	Equi-correlated of high dimensional random matrices
22	Aurell Faza Ashilla	Statistics	Forecasting Gold Price Using SETAR and SETAR-TREE
23	Ayomi Sasmito	Applied Mathematics	Adaptive Chaotic Rat Swarm Optimization for the Quadratic Assignment Problem
24	Benediktus Panji Pradipta	Algebra	Graphs from Ternary Error-Correcting Codes Construction
25	Bernadhita Herindri Samodera Utami	Statistics	The Properties of Estimating Function on Probability Hilbert Space
26	Bryllian Reyga Akbar Pramadana	Statistics	Partial Hypothesis Testing on Mixed Nonparametric Regression of Spline Truncated and Fourier Series (Case Study: Percentage of Poverty Regency/City in West Java
27	Budi Surodjo	Algebra	On Generalization from Almost von Neumann Regular Rings to Almost von Neumann Regular Modules
28	Carolus Pasha Lazuardi Jituprasojo Hatmakelana	Algebra	On Application of Annihilating Content of Polynomial on EM Ring Properties on $R[x]$ and $R[[x]]$
29	Chandrawati Chandrawati	Statistics	Forecasting Volatility of Sukuk Price Return with Markov-Switching GARCH (Case Study: Franklin Global Sukuk Fund Luxembourg)

30	Danardono	Actuaries	A preliminary Analysis of BPJS Sample Data for constructing Mortality Models
31	Daryl Allen Saddi	Statistics	Matrix Representation of Discrete Martingale Measures : Uniform and Triangular Distribution Case
32	Defita	Algebra	On The Existence of MDS Matrices\\over $\mathcal{B}_{k,q}$
33	Desi Yuniarti	Statistics	The Tourism Sector that Affects the Gross Regional Domestic Product of Kalimantan
34	Devi Nurtiyasari	Statistics	Systematic Review and Topic Modelling of Wavelet Convolutional Neural Networks for High-Dimensional Data Analysis
35	Dewi Sinta	Mathematics Education	The Movement On Rectangular Food Trolley Problems
36	Dian Anggraini	Statistics	Earthquake Risk Analysis in West Sumatra Region Based on Hazard and Vulnerability Clusters
37	Dian Ariesta Yuwaningsih	Algebra	Some Properties of r-Clean Algebras
38	Dian Kartika Sari	Computational Mathematics	Implementation of Closed-Domain Question Answering with Fine-Tuning GPT 3 Model for Baturaden Tourism Area
39	Diny Zulkarnaen	Applied Mathematics	Integration-based parameter estimation to approximate nonlinear compartmental models in pharmacokinetics
40	Evelyn Roque Camara	Mathematics Education	Improving students' critical thinking skills through synchronous online discussion forums
41	Dwi Lestari	Applied Mathematics	A minimum principle for stochastic control of hepatitis C epidemic model
42	Elvira de Lara-Tuprio	Statistics	Real-Time and Long-Term Forecasting Tools for Flood Management and Quick Response
43	Endah Purwanti	Computational Mathematics	Convolutional Neural Network and Particle Swarm Optimization for Identification of Anemia Based on Palpebral Conjunctiva Images
44	Etis Sunandi	Statistics	Beta-Binomial Model in Small Area Estimation Using Adjusted Profile Hierarchical Likelihood Approach
45	Euis Asriani	Algebra	g-Circulant Matrices and Its Matrix-Vector Multiplication Algorithm for Transformer Neural Network
46	Evita Purnaningrum	Statistics	Convergent Parallel Design In Management Studies Based On Sentiment Analysis
47	Evy Sulistianingsih	Statistics	Delta Gamma (Theta) Normal Approximation in Risk Measurement of European Call Option

48	Fatkhi Rizqiyah Agustina	Statistics	Prediction-Oriented Segmentation Partial Least Square (POS-PLS) in The Case of Child Undernutrition in East Java
49	Faturahman Yudanto	Applied Mathematics	Development of Expert System for Skin Diseases based on Name Entity Recognition (NER) and Fuzzy Inference
50	Felinda Arumningtyas	Statistics	Weighted Least Square Approach to Meta Regression Case Study: Effectiveness of Acceptance and Commitment Therapy (ACT) to Reduce Depressio
51	Fitriani Fitriani	Algebra	The Commuting Maps on Modules by using Idealization
52	Grandianus Seda Mada	Applied Mathematics	A Review of Fuzzy Random Variable and Its Properties
53	Gustina Elfiyanti	Algebra	The First and Second Zagreb Index, and the Wiener Index of the Coprime Graph of $\mathbb{Z}_{p^{k}}$ and $\mathbb{Z}_{p^kq^l}$
54	Halle Megan Lee Bata	Statistics	Deep Learning Approaches in Interest Rate Forecasting
55	Himmatul Khoiriyah	Applied Mathematics	MULTI AGENT BASED MODELING FOR THE COVID-19 PANDEMIC IN SURABAYA RAYA
56	I Gusti Agung Anom Yudistira	Statistics	Development of a Circular Simulation Algorithm and its Output, on a Discrete Event System, Implemented in the R Program
57	Ifah Durrotun Nisa'	Statistics	Parameter Estimation and Statistical Hypothesis Testing of Multivariate Adaptive Inverse Gaussian Regression Spline
58	Indah Emilia Wijayanti	Algebra	On Differential Colocalizations in Category $\sigma[M]$
59	Insani Hasanah	Statistics	Counting Process Approach with Frailty on Recurrence Data of Chronic Kindey Disease Patients Using Hu-Care Therapy at Nur Hidayah Hospital
60	Intan Muchtadi Alamsyah	Algebra	Topological Data Analysis and Quiver Representations
61	Joel Iglesia Alvarez	Mathematics Education	Game – Based Learning Tool Package for Linear Algebra: Gamification in Action
62	Joel Iglesia Alvarez	Mathematics Education	Massive Open Online Course in Elementary Statistics: Development and Assessment
63	John Paolo Oripaypay Soto	Analysis	A Constructive Approach to Obtaining the Lifespan of Solutions to Cauchy Problems with Small Gevrey Data
64	Joseph Tulabing Belida	Analysis	Two-Order Convergence

65	Kadek Jemmy Waciko	Statistics	ARIMA Based on Optimal Combination Approach for Hierarchical Forecasting Tourist Arrivals
66	Kariyam	Statistics	Modified Fast K-Medoids Algorithm To Guarantee No Empty Clusters
67	Komang Abri Periwira Jaya Artama	Algebra	On Generalization of Graded Absorbing Multiplication Modules
68	Laila Karimatul Fadhilah	Algebra	The Smarandache Cancellative Semigroup Based on Conjugates
69	Lensa Rosdiana Safitri	Statistics	MODELING RISK OF STROKE USING LOGISTIC REGRESSION AND MULTIVARIATE ADAPTIVE REGRESSION SPLINE
70	Leo Hari Wiryanto	Computational Mathematics	Linear model of thin film flow with surface tension
71	M. Syamsuddin Wisnubroto	Statistics	Performance Loss of Ignoring Correlation in Binary Classification under Gaussian Model: A Numerical Perspective
72	Malim Muhammad	Statistics	Survey of Recommender System Techniques and Domain Applications
73	Marjono - Marjono	Analysis	Unification of some coefficient inequalities for Starlike and Bazilevic Functions in a Sector
74	Mark Dela Cruz Tomenes	Algebra	On the Construction of (a,b,c,d) Tilings E^3
75	Mharta Adji Wardana	Mathematics Education	Algorithmic Thinking Learning in Underdeveloped Regions: A Study of Self-Taught Lesson Resources and Unplugged Activities
76	Mu'amar Musa Nurwigantara	Algebra	On (Strongly) Completely Integrally Closed Modules: A Scalar Point of View
77	Muchamad Harry Yudha Pratama	Computational Mathematics	Exploring Modified Physics-Informed Neural Networks to Solve ODE Perturbation Problems
78	Mudzakar Rifai Alam	Analysis	The M_alpha-Integral of Banach-Valued Functions
79	Muhammad Arief Bustomi	Applied Mathematics	Comparison of Feature Histograms and Co-occurrence Matrix on Analysis of the Light Spectrum Effect for Identification of Surface Roughness with Speckle Images
80	Muhammad Hasan Sidiq Kurniawan	Statistics	Quadratic Model Approaches on the Survival Function for Change Point Detection using the Empirical Likelihood Ratio Test
81	Muhammad Irfan Arsyad Prayitno	Algebra	On Spectral Radius of Antiadjacency Matrix of A Digraph
82	Muhammad Muhajir	Statistics	Ensemble of LSTM and LDA for Topic Detection of Bjorka

83	Muhammad Muhammad	Computational Mathematics	A Deep Learning Model for Image Captioning using ResNet- LSTM Approach
84	Widya Rizky Fadhilla	Algebra	Some Cayley Graphs that are Multipartite
85	Mulia Astuti	Combinatorics	Latin Squares Are Integral Hypergraphs
86	Musthofa - Musthofa	Algebra	Modified Binary de Bruijn Sequences with High Linear Complexities
87	Nabilla Rida Tri Nisa	Statistics	A SEMIPARAMETRIC BIVARIATE RECURSIVE PROBIT REGRESSION MODEL WITH RANDOM EFFECTS IN THE CASE OF PREGNANCY RISK AND BIRTH WEIGHT IN EAST JAVA PROVINCE IN 2021.
88	Nikken Prima Puspita	Algebra	Co-Derivation on Comodules and Coalgebra
89	Ning Jauharotul Farida	Algebra	The Characteristic of Endomorphism Ring End$(\mathbb{Z}_{p^m} \times \mathbb{Z}_{p})$ and Its RSA Variant
90	Noviana Pratiwi	Statistics	Geopolitical and Demographic Possible Factor affecting COVID-19 Spread level with Orthogonal Projections to latent structures discriminant analysis approach
91	Nuchaila Ainiyah	Statistics	Forecasting of Indonesian Crude Oil Price using EEMD-LSTM
92	Nur 'Ain Supu	Algebra	The Degree of Relative g-noncommuting Graph of the Dihedral Group
93	Nur Chamidah	Statistics	Modeling of Hypertension Risk Based on Age, Body Mass Index, and Stress Levels Using Local Linear Logistic Regression
94	Nur Khusnussa'adah	Analysis	A 2-F-Normed Space and Its Properties
95	Oki Almas Amalia	Applied Mathematics	Optimizing Clustered Hospital Bed Allocation in the Context of Indonesia's Mandatory Health Insurance
96	Paolo Giordano		GENERALIZED SMOOTH FUNCTIONS FOR NONLINEAR SINGULAR PDE
97	Pepi Novianti	Statistics	Copula-Based Logistic Autoregressive Regression Modeling on Binomial Time Series Data
98	Puguh Wahyu Prasetyo	Algebra	On $N\mathcal{L}$ and $N\beta$-Rings
99	Pushpendra Sharma	Algebra	Cyclic Codes Over Infinite Family Of Ring And Its Application In Quantum Codes
100	Putri Kusuma Wardani	Statistics	Selecting of Optimal Knot Points and Oscillation Parameters Using Generalized Cross-Validation (GCV) and Unbiased Risk

			(UBR) Method in Nonparametric Regression of Combined Estimators Spline Truncated and Fourier Series
101	Putu Krishnanda Supriyatna	Statistics	Dynamic Factor Model to Nowcasting the Sectoral Economic Growth Using High-Frequency Data
102	Qonita Qurrota A'yun	Algebra	AA-Property of Rings and Related Topics
103	Radisha Fanni Sianti	Statistics	Forecasting Bitcoin Return Using GARCH-LSTM
104	Rahma Rosaliana Saraswati	Applied Mathematics	A Mathematical Model of The Spread of Malaria with Multidrug Resistance of Antimalarial
105	Rahmania Azwarini	Statistics	Parameters Estimation and Model Hypotesis Testing On Bivariate Zero-Inflated Negative Binomial Regression
106	Rainilyn Leonardo Duque	Mathematics Education	STUDENTS' UNDERSTANDING OF THE REAL NATURE OF MATHEMATICS AND ITS RELATIONSHIP TO THEIR ATTITUDE TOWARDS THE DISCIPLINE
107	Rebecca Ester M Sihotang	Mathematics Education	Designing a Hypothetical Learning Trajectory in Mathematics to Enhance Computational Thinking Skills in K-12 Education
108	Reny Ari Noviyanti	Statistics	Empirical Best Linear Unbiased Predictions of Small Area Estimation With Panel Data for Estimating Household Consumption Per Capita Expenditure
109	Restu Ananda Putra	Actuaries	Comparing the Premium Index of Crop Insurance between Indonesian Islands Based on the Farmer Exchange Rate
110	Restu Sri Rahayu	Statistics	Dynamic Factor Model Applications Based On Google Trends And Macroeconomic Data For Indonesia's Gross Domestic Growth Nowcasting
111	Richa Agarwal	Analysis	Riemannian Maps From Nearly Kaehler Manifolds With Semi-invariant Fibers
112	Ricky Aditya	Analysis	A Study on Circle between Two Acute Triangles
113	Rina Musannadah	Mathematics Education	Reasoning-and-Proving in Algebra in Indonesian High School Mathematics Textbooks in 2022
114	Rizki Safarida	Statistics	Parameter Estimation and Hypothesis Testing of Geographically Weighted Compound Correlated Bivariate Poisson Regression Model
115	Rosita Kusumawati	Statistics	Hierarchical Risk Parity Portfolio Evaluation in Indonesia Stock Market

116	Said Al Afghani Edsa	Statistics	Implementation of Hybridization : Grey Wolf Optimizer - Dragonfly Algorithm to Improve Model Prediction : Support Vector Classifier - An Experiment
117	Saifullah Ali	Algebra	Non-coprime Graph Energy of Dihedral and Symmetry Group
118	San Nah Sze	Applied Mathematics	An Improved Variable Neighbourhood Search Heuristic Algorithm for the Vehicle Routing Problem with Backhaul
119	Sekar Nugraheni	Analysis	Natural Definition of Generalized Holomorphic Functions
120	Silvina Rosita Yulianti	Actuaries	Agricultural Insurance Catastrophe Risk Management Review
121	Steven Laurente Elizalde	Computational Mathematics	On Solving Reverse Fibonacci-like Sequences of Higher Order
122	Suci Amalia	Statistics	Semiparametric Bivariate Probit Model Using Newton Raphson Approach (Case Study : Early Breastfeeding Initiation and Exclusive Breastfeeding in East Java Province in 2021)
123	Suhadi Wido Saputro	Combinatorics	On Locating-Dominating Set of Honeycomb Network
124	Surya Kurniawan	Mathematics Education	Argumentation And Justification of Prospective Mathematics Teacher Students in Mathematical Proof Based on Self-Efficacy
125	Sutawanir Darwis	Actuarial Science	Earthquake Risk of Financial Assets
126	Syarifah Inayati	Statistics	Exploring the Influence of Crisis and Financial Contagion on the Composite Index via a Markov Switching Bayesian Vector Autoregressive Approach
127	Teduh Wulandari Mas'oed	Algebra	Skew Circulant Matrices with Fibonacci Numbers
128	Titik Suparwati	Algebra	PRIME CUBIC ORDER OF CAYLEY GRAPH OVER CYCLIC GROUP
129	Titin Sri Martini	Combinatorics	On Reverse Super Edge Trimagic Labeling of Dove Tail Related Graphs
130	Tri Irvan Haryadi	Algebra	The Maximum Girth of Rainbow Cycles in Strong Edges Colored Graphs
131	Uha Isnaini	Algebra	The Number Of Representations of a Positive Integer Involving Triangular, Square, and Numbers in the Form $4n^2 - n$, $5n^2 - n$ and $5n^2 - 2n$
132	Vaishali Varshney	Algebra	A Study Of Ideals In (Semi)-prime Rings via N-Derivations

133	Vemmie Nastiti Lestari	Statistics	Analysis of Economic Data Fluctuations Based on Fuzzy C Medoids Clustering with the GARCH(1,1) Model
134	Vitus Paul Lopez De Jesus	Mathematics Education	ASSESSING THE MATHEMATICAL REASONING REQUIRED IN GEOMETRY EXAMINATION TASKS FOR THE FILIPINO DEAF/HARD-OF-HEARING LEARNERS
135	Vitus Paul Lopez De Jesus	Mathematics Education	CURRICULUM ADAPTATION MODEL: MODIFYING MATHEMATICS CURRICULA FOR A MORE INCLUSIVE PUBLIC SCHOOL DEAF AND HARD-OF-HEARING MAINSTREAM CLASSROOM
136	Wayan Somayasa	Statistics	Asymptotic test for model check in linear regression
137	Wayan Somayasa	Statistics	Test for the adequacy of a multivariate nonparametric regression model with the multivariate Slepian field noise via likelihood ratio test
138	Wisnowan Hendy Saputra	Statistics	Machine Learning Modeling on Mixed-frequency Data for Financial Growth at Risk
139	Yunita Septriana Anwar	Algebra	M-Injective Hulls Of Topological Modules
140	Yurika Permanasari	Computational Mathematics	Extraction of Digital Data Features in Convolutional Neural Network Architecture
141	Yurika Permanasari	Statistics	Hybrid K-Means and General Regression Neural Network for Prediction of KOMPAS100 Index Stock Prices
142	Zeynab Ilbeygi	Algebra	Noncommuting Graph of AC-groups Related to an Automorphism
143	Zhilvia Noviana Ningsih	Statistics	IDX HIDIV20 STOCK MODELING OF THE BANKING SECTOR IN INDONESIA USING SEEMINGLY UNRELATED REGRESSION (SUR) ROBUST S