

DAY 1			
Track 1: Artificial Intelligence and Machine Learning Applications			
Chair	Filbert Juwono (XJTLU)		
Room A1	11.30 - 11.45	A QGIS-Based Information System for the Coastal Vulnerability Classification with ANN Method	Dwi Haryani
	11.45 - 12.00	Analyzing Customer Satisfaction Through Face Emotion Recognition: A Comparative Study of Convolutional Neural Networks (CNN) and Long Short Term Memory (LSTM)	Alfi Zakiyyah
	12.00 - 12.15	Tech-Sustainable Nexus- Identifying Diversification Lessons from the Pandemic with Emerging Markets	Vaibhav Aggarwal
	12.15 - 12.30	Assessing IT Job Candidates Through Interpretable Machine Learning Model	Andrew Sukardi
	12.30 - 12.45	Interpretable Machine Learning in Leveraging Customer Information for Success Direct Marketing Campaigns	Clarissa Tjandra
	12.45 - 13.00	Enhancing IoT Security A Novel Attack Detection Model for IoT Logs with Machine Learning Techniques	Anu Jacob
Track 1: Artificial Intelligence and Machine Learning Applications			
Chair	Dewa Ayu Putu Adhiya Garini Putri (UNDIKNAS)		
Room A2	14.15 - 14.30	Contrastive Self-Supervised Learning for Cocoa Disease Classification	Usman Khalid
	14.30 - 14.45	Comparative Analysis of Machine Learning Models for Solar Power Generation Prediction	Goodness Orish
	14.45 - 15.00	Evaluating Public Opinion on the 2024 Indonesian Presidential Election Candidate: An IndoBERT Approach to Twitter Sentiment Analysis	Rafael Tanaja
	15.00 - 15.15	Screening Application of Dyslexia and Dysgraphia Using Cognitive AI	Darpan Rokade
	15.15 - 15.30	The Application of Artificial Intelligence (AI) in Addressing Environmental Issues	I Gusti Agung Putra
Track 1: Artificial Intelligence and Machine Learning Applications			
Chair	Putu Indah Dianti Putri (UNDIKNAS)		
Room A3	16.00 - 16.15	Decision Trees for Eco-Friendly Green Supply Chains: IoT-Enabled Environmental Footprint Reduction	Tamilselvi M
	16.15 - 16.30	Enhancing Indoor BLE Distance Estimation Through Machine and Deep Learning Utilizing Anchor Information	Mimonah Al Qathradly
	16.30 - 16.45	Machine Learning Approaches for Search Intent-Driven Website Optimization	Ni Luh Putu Ika Candrawengi
	16.45 - 17.00	Training Feature Generation and Machine Learning based Radar Detection for Small Targets (invited speaker)	Jing Liu
	17.00 - 17.15	Comparing Areal Rainfall Estimation Methods in the Ayung Watershed, Bali, Indonesia: A Comprehensive Analysis	I Gusti Ngurah Putu Dharmayasa
	17.15 - 17.30	Systematic Review Development and Application of Innovative Technology in Improving the Efficiency of Waste Management Chain	I Putu Wiraatmaja
Track 1: Artificial Intelligence and Machine Learning Applications			
Chair	I Gusti Ngurah Putu Dharmayasa (UNDIKNAS)		
Room B1	11.30 - 11.45	Pre-Trained or Adversarial Training: A Comparison of NER Methods on Chinese Drug Specifications	Zhujia SHENG
	11.45 - 12.00	Multimodal Approach for Portfolio Optimization Using Deep Reinforcement Learning	Elizabeth Isaac
	12.00 - 12.15	NLP and GPT Integration for Drug Information Analysis and Health Advice	Kok Hoe Wong
	12.15 - 12.30	Application of Remote Sensing and Geographic Information Systems to Transform Sustainable Irrigation Water Management in Bali	Putu Indah Dianti Putri
	12.30 - 12.45	Development of GIS-Based Applications for Flood Hazard Map Management in Bali-Penida	Irma Suryanti
	12.45 - 13.00	The Prominent Stochastic Optimization Algorithm Settings for the Self-Regulating Feedback Control	Ing Ming Chew
Track 1: Artificial Intelligence and Machine Learning Applications			
Chair	I Wayan Aditya Suranata (UNDIKNAS)		
Room B2	14.00 - 14.15	Smart Contact Lenses Integrating IoT and Cloud-Based Neural Networks for Early Detection of Ocular Diseases	Aaron Kevin Cameron Theoderaj
	14.15 - 14.30	Green Leaf Disease Detection Using Raspberry Pi and Random Forest Machine Learning Algorithm: An Automated Approach for Precision Agriculture	Chitra Sabapathy Ranganathan
	14.30 - 14.45	ORCA: Oscillating-Resonant Component Analysis for Video-Based Respiration Monitoring	Nam Do
	14.45 - 15.00	Artificial Intelligence and Digital Media Industry Through Social Media Based on OpenAI Technology in the Indonesian Presidential Election 2024	I Gusti Ayu Agung Pinatih
	15.00 - 15.15	Copy-Move Forgery Detection Using Segment Anything Model and BRISK Feature	Muhammad Tiyas Fachreza Akbar
	15.15 - 15.30	Enabling Privacy-Preserving Machine Learning: Federated Learning with Homomorphic Encryption	Husain Gadiwala

Track 1: Artificial Intelligence and Machine Learning Applications			
Chair Agus Putu Abiyasa(UNDIKNAS)			
Room B3	16.00 - 16.15	On the Causality Between Factors Influencing Investment Towards Green Facade Technology Integrated Residential Buildings Through Causal Discovery Using DoWhy	Jayson C Jueco
	16.15 - 16.30	Steel Surface Defect Classification Using MobileViT	Adelson Lok Thien Chee
	16.30 - 16.45	Reusable MLOps: Reusable Deployment, Reusable Infrastructure and Hot-Swappable AI Models and Services	Deven Panchal
	16.45 - 17.00	Performance Analysis of Facial Expression Recognition by Using Geometry Augmentation and Random Oversampling for CNN Model	Panca Dewi Pamungkasari
	17.00 - 17.15	Federated Learning Approach for Air Quality Classification in Indonesia	I Wayan Aditya Suranata
	17.15 - 17.30	Multistate Model with Hidden Markov for Chronic Disease	Yadhurani Dewi Amritha
Track 1: Artificial Intelligence and Machine Learning Applications			
Chair Gopal Sakarkar (MIT-WPU) and W. K. Wong (Curtin Malaysia)			
Room C1	11.30 - 11.45	An Improved Method for Pneumonia Classification Based on ResNet Using CXR Images	Da Zhang
	11.45 - 12.00	Overlapping Community Detection in Complex Networks Using Multi-Objective Particle Swarm Optimization Algorithm	Dhuha Abdulhadi Abduljabbar
	12.00 - 12.15	Dynamic Patient Triage Optimization in Healthcare Settings Using RNNs for Decision Support	Chitra Sabapathy Ranganathan
	12.15 - 12.30	Semantic Similarity in Multi-Source Information Retrieval for Improving Learner Performance	Gopal Sakarkar
	12.30 - 12.45	RSSI Based Distance Triangulation Using Low Cost Transceiver: Towards Robust Localisation in Agrorobotic	Wei Kitt Wong
	12.45 - 13.00	Employment Prediction System Based on Recommender System Using Nlp, Content Filtering & Collaborative Filtering	Sanjai Gupta
SS: Applications of Machine Learning and Deep Learning in Healthcare			
Chair Hugeng (Universitas Tarumanagara)			
Room C2	14.00 - 14.15	Advancing Multibody Binary Classification in Imbalanced X-Rays Dataset Using MobileNetV2	Angeline Karen
	14.15 - 14.30	Comparison of CNN Models for Multiclass Anatomical Labeling in X-Rays	Vania Natalie Aherman
	14.30 - 14.45	EEG Signal-Based Human-Robot Interaction System for Anxiety Regulation via Reinforcement Learning	Wenning Ma
	14.45 - 15.00	Prediction of the Most Common Symptoms in Psychological Illnesses with Language Representation Models	Irfan Aygun
	15.00 - 15.15	Blockchain-Based Solutions for Healthcare: Systematic Literature Review	Yohannes Kurniawan
SS: Applications of Machine Learning and Deep Learning in Healthcare			
Chair Melinda (University of Syiah Kuala)			
Room C3	16.00 - 16.15	BoneNet: Human Bone Fractures Localizing and Diagnosing Using Hybrid Neural Network	Osim Pal
	16.15 - 16.30	Advancing Epilepsy Care with Neuro-Integrated Predictive Monitoring and Patient Wellbeing Using RNN Model	Mahesh A
	16.30 - 16.45	Transforming Healthcare: Advancements, Applications, and Future Directions of Machine Learning	Pagadala Usha
	16.45 - 17.00	Resident Vision Transformer: Lightweight Deep Learning Model for Disease Diagnosis on Edge Devices	Jimson Mathew
	17.00 - 17.15	Innovative Portable Quantitative EEG Data Acquisition Based Cyton Biosensing Board Using PSD Analysis	Melinda Melinda
	17.15 - 17.30	ECG Atrial Fibrillation Signal Classification Method Based on Discrete Wavelet Transform (DWT) and DenseNet-121	Melinda Melinda
Track 4: Smart Energy Systems			
Chair Agus Putu Abiyasa (UNDIKNAS)			
Room D1	11.30 - 11.45	Improving Fault Detection and Self-Healing in Smart Grids Through UPS Integration and Microgrid Expansion	Md Sabbir Hosen
	11.45 - 12.00	Synergy of Value Engineering and Green Energy Systems in Innovating Building Construction	I Nyoman Indra Kumara
	12.00 - 12.15	Utilization of Kintamani Orange Peel Solution as the Electrolyte for Bio-Battery	I Wayan Suriana
	12.15 - 12.30	Utilizing Micro-Hydro Power Plant for Sustainable Water Management: A Case Study of Kayuan Yeh Ha River in Ababi Village, Karangasem-Bali	Luh Putu Putri
	12.30 - 12.45	Numerical Simulation Co-Firing of EFB and LRC Injected at Different Burner Levels in Tangential Combustion-Type Pulverized Boilers	I Saputra
Track 4: Smart Energy Systems			
Chair Agus Putu Abiyasa (UNDIKNAS)			

Room D2	14.00 - 14.15	NILM Domain Adaptation: When Does It Work?	Muhammad Muaz
	14.15 - 14.30	Improving Battery Model Accuracy Through Parameter Identification Using RLS and Pulse Test Analysis	Muhammad Aminuddin
	14.30 - 14.45	Repowering Coal-Fired Steam Power Plant with Nuclear Reactor to Enhance Decarbonization Options in Indonesia	Mufthi Fathoni Hari
	14.45 - 15.00	An IoT-Based Open-Loop Dual Axis Solar Tracking and Monitoring System	David Heng Lee Ha
	15.00 - 15.15	Potential Utilization of Water Resources from Sidan Dam in Increasing Renewable Energy Mix	I Ketut Nuraga
	15.15 - 15.30	Feasibility Analysis of Floating Solar Power Plant at Muara Nusa Dua Reservoir in Bali	I Wayan Sukadana

Track 1: Artificial Intelligence and Machine Learning Applications

Chair W. K. Wong (Curtin Malaysia)			
Room E2	14.00 - 14.15	Mental State Recognition Through Speech Analysis Using Bidirectional Long Short-Term Memory Network and Convolutional Neural Network Hybrid Model	Donata Acula
	14.15 - 14.30	Sentiment Analysis on Filipino COVID-19 Tweets During Pandemic Period Using Modified K-Means and Ensemble Model with Supervised Machine Learning Algorithms as Base Estimators	Donata Acula
	14.30 - 14.45	Machine Learning Role in Electric Vehicles: A Review	Filbert Juwono
	14.45 - 15.00	Delineation of Slum Settlement Areas in Tegalalang Hamlet, Gianyar Regency Using GIS by Google My Maps	Ni Luh Jaya Anggreni
	15.00 - 15.15	Building Energy Consumption Prediction: A Machine Learning Approach with Feature Selection	Linfeng Liu

SS: AI and Education

Chair Na Li, Erick Purwanto, Filbert Juwono (XJTLU)			
Room D3	16.00 - 16.15	AI in Translation Studies: Current Trends, Challenges, and Prospects (invited speaker)	Mansour Amini
	16.15 - 16.30	Academic Writing and the Impact of Student-Generative AI Interactions (invited speaker)	Rita Detrick
	16.30 - 16.45	Incorporating Artificial Intelligence and Virtual Reality Within Classroom-As-Organisation Learning Design for Dialogic Teaching	Jean-Yves Le Corre
	16.45 - 17.00	Unlocking the Potential of Competition-Based Learning: A Case Study of Kaggle in Big Data Analytics Education	Pengfei Fan
	17.00 - 17.15	Content Validity Assessment of Metaverse Characteristics Instrument for High School Teachers' Adoption	Cadelina Cassandra
	17.15 - 17.30	Empowering Teachers, Empowering Trainees - Revolutionising Education for Apprenticeship-Based Programme	Faiz Mustaqim

DAY 2

SS: Digital Applications in Finance and Business

Chair Dewa Ayu Putu Adhiya Garini Putri (UNDIKNAS)			
Room A4	14.00 - 14.15	Analysis of Social Influence, Perceived Benefit, and Hedonism Factors Towards E-Trust and FinTech Knowledge Factors	Surjandy Surjandy
	14.15 - 14.30	The Banking Industry is Undergoing a Digital Transformation as Part of Industrial 4.0	Wahyu Sardjono
	14.30 - 14.45	Digital Rupee for Retail (E-R) Adoption and Challenges	Balaganesh Krishnamoorthy
	14.45 - 15.00	Understanding the Young Generation's Intention to Book Accommodations Through Local Online Travel Agents (OTAs) in Indonesia	Ni Putu Dhanan Kumaradewi M
	15.00 - 15.15	Digital Tourism Policy Based on Collaborative Governance to Enhance Regional Tourism	I Gede Agus Kurniawan

SS: Digital Applications in Finance and Business

Chair Dewa Ayu Putu Adhiya Garini Putri (UNDIKNAS)			
Room A5	16.00 - 16.15	Digital Literacy Performance Measurement Model for Developing Tourism Potential of Pramuka Island Seribu Islands - DKI Jakarta	Wahyu Sardjono
	16.15 - 16.30	Jamsostek Mobile (JMO): Analysis of Service Quality from A Digital Application on BPJS Ketenagakerjaan Member's Satisfaction	I Gusti Ngurah Yatra Pratistha
	16.30 - 16.45	Optimizing Social Capital and Internal Process for Financial Performance at Creative Industry	Gine Das Prena
	16.45 - 17.00	Boosting and Protecting Balinese Communal Intellectual Property in Digital Tourism: Why We Need Practical Guideline?	I Gede Agus Kurniawan
	17.00 - 17.15	Beyond Automation: A Systematic Review of AI in Employee Recruitment	AA Eddy S Gorda

Track 2: Smart Communication Systems

Chair Putu Indah Dianti Putri (UNDIKNAS)			
	14.00 - 14.15	Physical-Chemical Properties Prediction of Chao Phraya River Using Deep Learning Methods	I Wayan Aditya Suranata

Room B4	14.15 - 14.30	Root Causes Prediction in Data Center Network Using Convolutional Dense Neural Network	Jeremy Baskoro
	14.30 - 14.45	Fractal Image Encoding Using Wavelet Transform: A Comparative Study of Compression Techniques and Quality Enhancement	Milind Kulkarni
	14.45 - 15.00	Atmospheric and Turbulence Challenges on Link Budget Estimation and Simulation for Space Laser Communication	Yuvita Safitri
	15.00 - 15.15	LoRa Network Design for Monitoring Landslides on 150 KV Delivery Tower	I Wayan Dikse Pancane
	15.15 - 15.30	Implementation of Dama Mandala Application in Realizing Smart City Vision in Denpasar City	Dewa Ayu Trisna Wedagama
SS: Digital Applications in Finance and Business			
Chair	Luh Putu Mahyuni (UNDIKNAS)		
Room B5	16.00 - 16.15	Navigating the Digital Frontier: Motivations and Perceived Behaviors on Digital Investment Platforms	Ni Luh Laksmi Rahmantari
	16.15 - 16.30	Public Transport Electrification: A Scenario Based of Trans Metro Dewata, Bali	Dewa Ayu Putu Adhiya Garini Putri
	16.30 - 16.45	Investor Behavior in Choosing Securities Applications in the Indonesian Capital Market	I Made Ari Putranta
	16.45 - 17.00	Exploring the Implementation of Society 5.0: Utilizing Advanced Technology in Sustainable Smart Farming Governance	Satrio Tbagus
	17.00 - 17.15	The Effect of Project Based Learnings on Accounting Students' Intentions to Use Technology	Tri Hanani
	17.15 - 17.30	What Motivates Indonesian Millennials to Invest in NFT?	Luh Putu Mahyuni
Track 3 : Smart Computing Systems			
Chair	I Gusti Ngurah Putu Dharmayasa (UNDIKNAS)		
Room C4	14.00 - 14.15	Zero-Shot Entity Recognition on Forensic Timeline	Resky Talasari
	14.15 - 14.30	Data-Driven Recommendation in Brain-Metaverse Interaction	zihui qin
	14.30 - 14.45	Zero-Shot Anomaly Detection in a Forensic Timeline	I Kadek Agus Ariesta Putra
	14.45 - 15.00	Automated Adversarial-Attack Removal with SafetyNet Using ADGIT	Steven Halim
	15.00 - 15.15	Techno-Economic Analysis of IoT Implementation to Support Energy Efficiency in Telecommunications Industry Office Buildings	I Ketut Enriko
	15.15 - 15.30	Secure Deep Learning Inference with Intel SGX on Intel Ice Lake-SP Xeon Processor	Usman Ullah Sheikh
Track 3 : Smart Computing Systems			
Chair	I Gusti Ngurah Putu Dharmayasa (UNDIKNAS)		
Room C5	16.00 - 16.15	Integrating Blockchain Technology in Smart Grids	Md Sabbir Hosen
	16.15 - 16.30	Smart Last-Mile Delivery with IoT-Connected Robot Vehicles	Sujatha M
	16.30 - 16.45	A Low-Cost System for Hydroponic Nutrient Solution Monitoring	I Wayan Aditya Suranata
	16.45 - 17.00	Introducing Cloud-Based Performance Monitoring Technology for Industrial Facilities That Keeps Up with the 4.0 Industrial Revolution	Wahyu Sardjono
	17.00 - 17.15	Towards User Friendly Smart Precision Farming: Assessing ThingsBoard as an Interface for IoT Based Farming System Using System Usability Scale	Kadek Darmaastawan
	17.15 - 17.30	Green Computing Implementation for Indonesian Higher Education Adopting Serverless Microservices Architecture	Gede Humaswara Prathama
Track 3 : Smart Computing Systems			
Chair	I Wayan Aditya Suranata (UNDIKNAS)		
Room D4	14.00 - 14.15	Multiclass Imbalance Resampling Techniques for Network Intrusion Detection	Zawiyah Saharuna
	14.15 - 14.30	ZRB: A Novel Framework for Code Generation and Task Automation	Mukhlis Amien
	14.30 - 14.45	Software Development Based on Sign Language Video Integration to Increase Accessibility of Port Information for the Deaf in Sanur-Bali	Decky Indrashwara
	14.45 - 15.00	Building Mathematical Models for Company Strategy Formulation in Implementing Knowledge Management Systems	Wahyu Sardjono
	15.00 - 15.15	Design of Smart Water Meter as Groundwater Consumption Monitor Tool for Villages in Bali-Indonesia	Agus Putu Abiyasa
	15.15 - 15.30	Hybrid HVAC-HVDC Grid Fault Detection & Classification Using ANN	Zhe Ming Wong
Track 3 : Smart Computing Systems			
Chair	I Wayan Aditya Suranata (UNDIKNAS)		
Room D5	16.00 - 16.15	Centralized Control Approach in Managing Zone Based Routing to Improve MANET Performance	I Made Wikantyasa
	16.15 - 16.30	Sustainable Data Analysis in Engineering: 6-Year Review Emphasizing Open-Source Tools, Eco-Friendly Practices, and Emerging Trends for Smart Computing	Radhakrishnan Subramaniam
	16.30 - 16.45	Software Development for Text Processing in Mapping Architecturally Significant Requirements Towards Quality Attributes	Monica Seba
	16.45 - 17.00	Spearphishing Attack Detection Model Using Machine Learning Approach Based on Network Traffic Analysis	Yohanes Priyo Atmojo

17.00 - 17.15	Design and Prototyping of Queuing Conveyer Belt System Based on Low-Cost Open-Source Microcontroller	Agus Putu Abiyasa
17.15 - 17.30	Comparative Analysis of Data Balancing Methods for the Optimization of Botnet Attack Detection Models	Apta Rasendriya Wijaya