

TECHNICAL PARALLEL SESSION SCHEDULE

Parallel Session #1: Tuesday, August 2, 2022, 09:45 - 11:45 UTC/GMT+7

Session 1A – Digital Health Services

Venue Room A

Session Chair Dr. Isman Kurniawan

Time	Paper Title	Presenter
09:45	Health Data Governance Issues in Healthcare Facilities: Perspective of Hospital Management	Shinta Oktaviana
10:05	Glaucoma Detection Based-on Convolution Neural Network and Fundus Image Enhancement	Dina Zatusiva Haq
10:25	Covid-19 Smart Contact Tracing Solution: A Process Methodology on Attribute Selection	Thein Oak Kyaw Zaw
10:45	Microarray-Based Classification Model of Parkinson Identification by using Firefly Algorithm-Support Vector Machine	Julizar Harahap
11:05	Using Tree-Based Algorithm to Predict Informal Workers' Willingness to Pay National Health Insurance after Tele-Collection	Rizal Mansur

Session 1B – Emerging ICT and e-Services

Venue Room B

Session Chair Dr. Chong Siew Chin

Time	Paper Title	Presenter
09:45	Implementation of GKMC Algorithm for Data Anonymization on Big Data Platform Spark	Mariskha Adithia
10:05	Feature Selection and Sensitivity Analysis of Oversampling in Big and Highly Imbalanced Bank's Credit Data	Aznovri Kurniawan
10:25	The Effect of Influencer Information and Video Characteristics on User Purchase Decision on Social Media	Widia Fitriani
10:45	The Influence of Individual, Process, Technology, and Environment Dimensions on Intention and Actual Usage of PeduliLindungi Application	Ibad Saladdin
11:05	Performance Analysis Between EOTI-K-Means++, EOTI, and KNN for Brute Force Detection System	Bintang Nuralamsyah

Session 1C – ICT-based Education Services

Venue Room C

Session Chair Dr. Kusuma Ayu Laksitowening

Time	Paper Title	Presenter
09:45	Serious Exergame for Special Education Needs using 3D-Depth Camera	Ari Kusumaningsih
10:05	The Implementation and Impact of Gamification on User Engagement and Acceptance of Mobile Personal Health Record Application	Winayaka Pamungkas
10:25	A Framework of Student's Learning Motivation in Virtual Reality in the History of Animation	Kin Meng Cheng
10:45	A Study on Online Assessment Preference and Performance During COVID-19 Pandemic	Liyen Lim
11:05	A Two-Stage Early Prediction Model to Monitor the Students' Academic Progress	Susana Limanto

Session 1D – Intelligent & Autonomous System e-Services

Venue Room D

Session Chair Faizal Makhrus, Ph.D

Time	Paper Title	Presenter
09:45	Mango Pests Identification Based-on Convolutional Neural Network	Misbachul Asy'ari
10:05	Wavelet-based Entropy Analysis on EEG Signal for Detecting Seizures	Annisa Humairani
10:25	Leaf Based Plant Species Classification Using Deep Convolutional Neural Network	Agus Minarno
10:45	Semantic Segmentation of Venous on Deep Vein Thrombosis (DVT) Case using UNet-ResNet	Arta Hernanda
11:05	Improving Low-Resource Question Answering with Cross-Lingual Data Augmentation Strategies	Ryan Pramana

Session 1E – Network & Infrastructure for e-Services
Venue Room E
Session Chair Dr. Ooi Shih Yin

Time	Paper Title	Presenter
09:45	SSH Bruteforce Attack Classification Using Machine Learning	Marco Kristyanto
10:05	Performance of Homogeneous and Heterogeneous Cache Policy for Named Data Network	Leanna Yovita
10:25	Validation System with Reversible Data Hiding in Digital Diplomas	Tiwa Ramdhani
10:45	Analysis of Information Security Awareness for TikTok Application Users in Indonesia	Bagas Arief Hananto
11:05	Clean Architecture Implementation Impacts on Maintainability Aspect for Backend System Code Base	Muhammad Alibasa

TECHNICAL PARALLEL SESSION SCHEDULE

Parallel Session #2: Tuesday August 2, 2022, 12:45 - 14:45 UTC/GMT+7

Session 2A – Digital Health Services

Venue Room A

Session Chair Dr. Dr. Irma Palupi

Time	Paper Title	Presenter
12:45	Developing Sustainable Solid Medical Waste Management Based on Enterprise Resource Planning in General Hospital	I Putu Yudha
13:05	Psyche Conversa - A Deep Learning Based Chatbot Framework to Detect Mental Health State	Sayed Siddik
13:25	MISPhyl: Mutual Information Supermatrix Phylogenomics pipeline	Pendy Tok
13:45	Non-Contact Vital Sign Monitoring During Sleep Through UWB Radar	Muhammad Husaini
14:05	QSAR Study on Predicting DPP-IV Inhibitors as Anti-Diabetic Agent by using Genetic Algorithm-Support Vector Machine	Isman Kurniawan

Session 2B – Emerging ICT and e-Services

Venue Room B

Session Chair Lim Kian Ming

Time	Paper Title	Presenter
12:45	Performance Comparison Between Support Vector Regression and Long Short-Term Memory for Prediction of Stock Market	Nova Sarumpaet
13:05	An Improved Accuracy of Indoor Positioning System Based on Trilateration using Kalman Filter	Ary Mazharuddin Shiddiqi
13:25	Aspect Based Multilabel Text Classification for Identifying Dangerous Speech Twitter Text	Yulian Findawati
13:45	Evaluation of a Platform-Based Business Model in a Startup, A Case Study	Muhammad Fidrian
14:05	Performance Analysis of Blockchain in Tendering Process based on Hyperledger Framework	Syifa Nurgaida Yutia

Session 2C – Emerging ICT and e-Services

Venue Room C

Session Chair Nurul Ikhsan, Ph.D

Time	Paper Title	Presenter
12:45	Prediction of Stocks Return in the LQ45 Index with Long-Short-Term-Memory (LSTM) and Its Application for Portfolio Selection	Putri Adila
13:05	Analysis of Deep Learning Performance in Hydrocarbon Dew Point Temperature Estimation in Gas Pipeline Network	Aditya Ihsan
13:25	Portfolio Allocation of Stocks in Index LQ45 Using Deep Reinforcement Learning	Bellatrix Luthfianti
13:45	Personal Chatbot Evaluation with Elaboration Likelihood Model on Social Messaging Application	Mochamad Aulia Akbar Praditomo
14:05	Finite State Machine-Model Based Testing on Website Application	Maulana Ibrahim

Session 2D – Intelligent & Autonomous System e-Services

Venue Room D

Session Chair Dr. Ema Rachmawati

Time	Paper Title	Presenter
12:45	Forecasting of Maximum Temperature by using ANFIS and GRU Algorithms: Case Study in Jakarta, Indonesia	Armando Zamelina
13:05	Controllable Abstractive Summarization Using Multilingual Pretrained Language Model	Sugiri Sugiri
13:25	Primary and High School Question Classification based on Bloom's Taxonomy	Hasmawati Hasmawati
13:45	Coffee Plant Disease Classification Using K-Nearest Neighbor	Muhammad Yasin
14:05	IoT Based Indoor Object Location Tracking Solution	Ahsanul Bari

Session 2E – Intelligent & Autonomous System e-Services
Venue Room E
Session Chair Muhammad Alfian Amrizal, Ph.D

Time	Paper Title	Presenter
12:45	Transforming Finger Vein Template in Multi-instance Scenario	Shuxian Cai
13:05	Vertical Take-Off and Landing (VTOL) System Based On Noise Parameter for Exploring of Continuous Reinforcement Learning Approach	Atikah Surriani
13:25	Gradient Tree Boosting for HR Talent Management Application	Siti Nurajijah
13:45	Masked Face recognition Using Support Vector Machine and Convolutional Neural Network	Lucas Chong Wei Jie
14:05	Exploration of Image Blur Detection Methods on Globally Blur Images	Anas Nafis Almustofa

TECHNICAL PARALLEL SESSION SCHEDULE

Parallel Session #3: Wednesday, August 3, 2022, 08:15 - 10:15 UTC/GMT+7

Session 3A – Emerging ICT and e-Services

Venue Room A

Session Chair Gia Septiana Wulandari, Ph.D.

Time	Paper Title	Presenter
08:15	Sentiment Effect on Mandiri Bank Stock using Feature Expansion Word2vec and Classification Method Gradient Boosted Decision Tree	Adham Siwi
08:35	The Influence of Sentiment on Bank Mandiri (BMRI) Stock Movements Using Feature Expansion with Word2vec and Support Vector Machine Classification	Andrea Rahmadanisya
08:55	Simulation of 700 MHz Spectrum Deployment in Indonesia's Urban Area for 5G New Radio Network	Putri Rahmawati
09:15	Assessment of 5G Non-Stand Alone Network Deployment Using 700 MHz for Urban Scenario	Muhammad Imam Nashiruddin
09:35	Evaluation of Usability and User Experience of Shopee as One of the Top E-Marketplaces in Indonesia	Tinna Azhar

Session 3B – Emerging ICT and e-Services

Venue Room B

Session Chair Assoc. Prof. Ts. Dr. Tee Connie

Time	Paper Title	Presenter
08:15	The Mobility, Sentiment and Problems Identification Analysis in Tourism Industry using Social Media Data	I Putu Setiawan
08:35	Reshaping the Future of Recruitment through Talent Reputation and Verifiable Credentials using Blockchain Technology	Raihan Sulaiman
08:55	Feature Expansion with FastText on Topic Classification Using the Gradient Boosted Decision Tree on Twitter	Reza A. Yahya
09:15	Analysis of Extended Enterprise in Offering Product and Service: Case Study PT. BRI (Persero) Tbk	Muhammad Ferdi Kurniawan
09:35	Minimum viable product analysis in hyperlocal marketplace applications using customer development method	Suryo Satrio

Session 3C – Intelligent & Autonomous System e-Services

Venue Room C

Session Chair Rio Guntur Utomo, Ph.D.

Time	Paper Title	Presenter
08:15	Compound Critiquing for Improving Query Refinement on Conversational Recommender System	Adila Fatiyah
08:35	Book Recommender System Using Singular Value Decomposition Combined with Slope One Algorithm	Christina Christina
08:55	Classification of Competition Content on Web Pages using a Machine Learning Algorithm	Dinda Amaritha
09:15	Increasing Tiny Data Imputation Accuracy Using Temporal Polynomial Interpolation	Ikke Oktaviani

Session 3D – Intelligent & Autonomous System e-Services

Venue Room D

Session Chair Muhammad Idham Ananta Timur, S.T., M.Kom

Time	Paper Title	Presenter
08:15	Wavelet Transformation and Local Binary Pattern for Data Augmentation in Deep Learning-based Face Recognition	Tanzilal Mustaqim
08:35	Hoax News Detection Analysis using IndoBERT Deep Learning Methodology	Arnetta Rahmawati
08:55	A Visual Approach Towards Wildlife Surveillance in Malaysia	Ching Yee Teng
09:15	Handling Imbalanced Dataset on Hate Speech Detection in Indonesian Online News Comments	Almira Sanya
09:35	Neural Machine Translation for Malay Text Normalization using Synthetic Dataset	Muhamad Amin Hakim Sazali

Session 3E – Network & Infrastructure for e-Services
Venue Room E
Session Chair Arif Nurwidyantoro, S.Kom., M.Cs

Time	Paper Title	Presenter
08:15	Recurrent Neural Network Architectures Comparison in Time-Series Binary Classification on IoT-Based Smart Lighting Control	Aji Putrada
08:35	The Detection of Mirai Botnet Attack on the Internet of Things (IoT) Device Using Support Vector Machine (SVM) Model	Revaldi Azhari
08:55	Comparison of Acquisition Results on iPhone 7Plus (iOS 14.8.1) between Jailbreaking vs Non-Jailbreaking Device	Muhammad Laayu
09:15	Secure Two-Factor Authentication for IoT Device	Rizka Pahlevi

TECHNICAL PARALLEL SESSION SCHEDULE

Parallel Session #4: Wednesday, August 3, 2022, 10:30 – 12:30 UTC/GMT+7

Session 4A – Digital Health Services/Emerging ICT and e-Services/ICT-based Education Services

Venue Room A

Session Chair Yunita Sari, Ph.D

Time	Paper Title	Presenter
10:30	Quantum-Inspired Differential Evolution Algorithm in Probiotics Marker Genes Selection	Chia Sui Ong
10:50	Neuropsychology Identification of Emotion and Attention Using Multiple Hybrid 2D Convolutional Neural Networks and Gated Recurrent Units	Novia Putri Syahida
11:10	Identifying Factors of Startups Creation by Indonesian Gen Z in Post-pandemic Era	Dini Alamanda
11:30	Time Series Wave Forecasting with Transformer Model, Case Study in Pelabuhan Ratu, Indonesia	Dhikayla Putri
11:50	Convergence of motivation from game-like context to real-life context: a quantitative study	Darren Yie