



Conference Program & Presentation Schedule

Grand Rohan Hotel Yogyakarta, 02-03 September 2026

Hybrid Conference:

Offline: Grand Rohan Hotel

Online: Zoom, Meeting ID: [847 8656 5911](#) Passcode: **eecsi2026**

07:30 - 08:00 Registration

08:00 - 08:30 Opening Ceremony

08:30 – 11:30 Keynote Speech

Keynote Speaker 1

Prof. Dr. Bharatiraja Chokkalingam

Professor of Power Electronics and Drives
SRM Institute of Science and Technology, Kattankulathur, India

Keynote Speaker 2

Assoc. Prof. Dr. Jinsong Wu

Associate Professor of Communications and Computing
Universidad de Chile, Santiago, Chile

Keynote Speaker 3

Prof. Dr. Pascal Lorenz

Professor of Telecommunications Systems
University of Haute Alsace, Colmar, France

11.30-12.30 BREAK

12.30-15.00 Parallel Session I

15.00-15.15 Coffee BREAK

15.15-17.15 Parallel Session II

17.15-18.00 Closing Ceremony

R01 — Parallel session R1

2 September 2026 | 12:30-17:30

Time Start	Code	Paper ID	Title	Authors
12.30	R01.1	1571313385	Performance Evaluation of MAX30102-Based Ambulatory Heart Rate and SpO ₂ Monitoring Prototype: A Comparative Study under Static and Dynamic Conditions	Hendi Handian Rachmat (Institut Teknologi Nasional (Itenas) Bandung, Indonesia & C2I Research Group, Indonesia); Faiq Iman Nur Rahman and Dendy Haris (Institut Teknologi Nasional (Itenas) Bandung, Indonesia)
12.45	R01.2	1571284029	Real-Time Brute Force Detection Based on Wazuh HIDS and DFIR-IRIS	Azalea Keisha Putri and Sy Yuliani (Multimedia Nusantara University, Indonesia)
13.00	R01.3	1571292546	Acoustic Waveform Analysis of Hijaiyyah Letters Based on Tajweed Characteristics Using Conv1D Deep Learning	Efan Efan and Riduan Syahri (Institut Teknologi Pagar Alam, Indonesia); Arie Yandi Saputra (STMIK Bina Nusantara Jaya Lubuklinggau, Indonesia)
13.15	R01.4	1571293013	The Impact of AI Adoption on Tech Workers' Burnout and Attrition: A Systematic Review of Predictive Models	Nayya Kamila Putri Yulianto and Dinar Mutiara Kusumo Nugraheni (Universitas Diponegoro, Indonesia)
13.30	R01.5	1571293610	Initialization Strategies in Categorical Data Clustering: A Systematic Literature Review	Adi Sucipto (Universitas Gadjah Mada & Sekolah Tinggi Multi Media, Indonesia); Nur Rokhman (Gadjah Mada University, Indonesia)
13.45	R01.6	1571295032	CoSAI: Lightweight Chain-of-Custody Stamps for Tamper-Evident AI-Assisted Intrusion Alert Pipelines	Aditya Nur Cahyo (Universitas Muhammadiyah Surakarta, Indonesia); Muhammad Kopravi (Universitas Amikom Yogyakarta, Indonesia); Jan Wantoro (Universitas Muhammadiyah Surakarta, Indonesia)
14.00	R01.7	1571295197	Thematic Analysis and Trend Discovery of Public Complaints in Semarang City Using Latent Dirichlet Allocation (LDA)	Muhammad Azizan Abdul Rozak (Teknik Informatika, Indonesia); Mustafa (Universitas Diponegoro, Indonesia & Informatics, Sultan Agung Islamic University, Indonesia)
14.15	R01.8	1571309346	Web-Based Qurban Management System with a Focus on Usability and Operational Efficiency (MosqueQurb)	Nurul Zahirah Abd Rahim, Ummu Mardhiah Abdul Jalil and Khyrina Airin Fariza Abu Samah (Universiti Teknologi MARA, Malaysia); Nurul Azwa (Universiti Teknologi Mara, Malaysia)
14.30	R01.9	1571309173	An Object-Oriented Fuzzy Decision Model for Pesticide Safety Assessment	Ditdit Nugeraha Utama (Bina Nusantara University, Indonesia); Ariel Peaceo Gunawan (Wide Technologies Indonesia, Indonesia); Deden Witarsyah (UTHM, Malaysia)

Time Start	Code	Paper ID	Title	Authors
14.45	R01.10	1571295417	Rethinking Text Representations and Feature Weighting for Job Level Classification in Job Posting	Mustafa (Universitas Diponegoro, Indonesia & Informatics, Sultan Agung Islamic University, Indonesia); Adian Fatchur Rochim (Diponegoro University, Indonesia); Hermawan Dwi Ariyanto (Vocational School Diponegoro University, Indonesia)
15.00	R01.11	1571308892	Quantifying Linguistic Drift in Indonesian Academic Texts: A Computational Morphosyntactic Analysis of the Erosion of Explicit Agency in the Era of Generative AI	Hendrik Fery Herdiyatmoko M. Eng (Universitas katolik musi charitas, Indonesia); Dewi Purnamasari (Universitas Ivet, Indonesia); Didin Herlinudinkhaji Herlinudinkhaji (Universitas Ivet Semarang, Indonesia); Henny Prasetyani (Ivet University, Indonesia)
15.15	R01.12	1571309249	Operational Parameter Optimization for Fuel Efficiency in Heavy Duty Mining Haul Trucks	Fabyola Larasati Masyita (Binus University, Indonesia); Ditdit Nugeraha Utama (Bina Nusantara University, Indonesia)
15.30	R01.13	1571309349	The Effect of Chi-Square Feature Selection and LDW-SMOTE Oversampling on the Performance of Naïve Bayes for Email Spam Detection	Nurus Syafi'ah and Hisyam Fahmi (Universitas Islam Negeri Maulana Malik Ibrahim Malang, Indonesia); Mohammad Jamhuri (UIN Maulana Malik Ibrahim Malang, Indonesia); Muhammad Khudzaifah (Universitas Islam Negeri Maulana Malik Ibrahim Malang, Indonesia)
15.45	R01.14	1571309424	SURIQUEST: Development and Usability Evaluation of a Game-Based Learning Application for Early Menstruation Education	Safiah Atia Rahim (Universiti Teknologi MARA Kampus Jasin, Melaka, Malaysia); Wannoraini Abdul Latif (Universiti Teknologi Mara, Malaysia); Azliza Mohd Ali and Sharifalillah Nordin (Universiti Teknologi MARA, Malaysia); Norbahiyah Awang (Universiti Teknologi MARA Kampus Jasin, Melaka, Malaysia); Raihana binti Md Saidi (Universiti Teknologi Mara, Malaysia)
16.00	R01.15	1571312621	Traffic Congestion Classification with Social Media Sentiment Validation for Smart Transportation	Ahmad Fali Oklilas (Universitas Sriwijaya, Indonesia); Deris Stiawan and Bhakti Yudho Suprpto (University of Sriwijaya, Indonesia); Kemahyanto Exaudi and Agil Anjas Frandesca (Universitas Sriwijaya, Indonesia); Rahmat Budiarto (Al Baha University, Saudi Arabia)

Time Start	Code	Paper ID	Title	Authors
16.15	R01.16	1571294806	A Comparative Study of LLM Architectures for Scientometric University Performance Assessment	Dedy Kurniadi and Imam Much Ibnu Subroto (Universitas Islam Sultan Agung, Indonesia); Rahmat Gernowo (Information System School of Postgraduate Diponegoro University, Indonesia); Bayu Surarso (Faculty of Science and Mathematics, Diponegoro University, Indonesia); Nurulhuda Zainuddin (Universiti Teknologi MARA, Malaysia); Andi Riansyah (Universitas Islam Sultan Agung, Indonesia & Universitas Diponegoro, Indonesia)
16.30	R01.17	1571312944	Identifying the Key Strategic Enablers of Digital Government Capability: Toward an Evidence-Based Research Agenda	Anik Hanifatul Azizah (Institut Teknologi Sepuluh Nopember Surabaya, Indonesia & Coventry University, United Kingdom (Great Britain))

R02 — Parallel session R2

2 September 2026 | 12:30-17:30

Time Start	Code	Paper ID	Title	Authors
12.30	R02.1	1571283230	Comparative Study of DE, PSO, and GA for Optimal Power System Stabilizer Tuning in a SMIB System: Case Study of PLTU Kalteng-1	Dimas Saifur Rizal (PT SKS Listrik Kalimantan, Indonesia); Muchamad Arief Dharmawan (SKS Listrik Kalimantan, Indonesia); Subhan Hasisi (PT SKS Listrik Kalimantan, Indonesia)
12.45	R02.2	1571305296	Lightweight CNN-Based Fault Classification for Transmission Lines Using CWT Scalogram Images	Hana Sulthanah, Novizon and Syafii (Universitas Andalas, Indonesia)
13.00	R02.3	1571312223	Hybrid Modeling and Structural Topology Analysis of a Dual-Stator Permanent Magnet Machine	Fithri Muliawati (Universiti Kuala Lumpur British Malaysian Institute, Malaysia & Ibn Khaldun University, Indonesia); Suhairi Rizuan Che Ahmad (Universiti Kuala Lumpur, Malaysia); Mohammad Miqdad Abdul Aziz (Universiti Kuala Lumpur British Malaysian Institute, Malaysia); Zurin Baharin (Universiti Kuala Lumpur, Malaysia); Sarah Chairul Annisa and Joki Irawan (Universitas Ibn Khaldun Bogor, Indonesia)
13.15	R02.4	1571308174	Battery Swap Compartment Simulator for Charging Management System Testing	Prihadi Murdiyat (Politeknik Negeri Samarinda, Indonesia); Aji Akbar Firdaus (Universitas Airlangga, Indonesia); Aggie Brenda Vernandez and Dwiana Hendrawati (Politeknik Negeri Semarang, Indonesia); Deny Arifianto (Universitas Airlangga, Indonesia); Abdul Hamid Kurniawan (Politeknik Negeri Samarinda, Indonesia)
13.30	R02.5	1571295208	Enhancement of the Intelligent Driver Model Based on Estimated Acceleration of Vehicles ahead	Fumiaki Sato and Hayato Kuroda (Toho University, Japan)
13.45	R02.6	1571293648	Real-Time Plant Disease Detection and Classification Using Lightweight YOLOv8 for Precision Agriculture	Joko Hariyono, Sutrisno Ibrahim, Faisal Rahutomo, Subuh Pramono, Muhammad Hamka Ibrahim and Meiyanto Eko Sulistyo (Universitas Sebelas Maret, Indonesia)
14.00	R02.7	1571308710	A Hybrid VGG16-ResNet50 Deep Learning Framework with CLAHE Enhancement for Pneumonia Classification from Chest X-Ray Images	Fani Maduratni Chambali and Imam Much Ibnu Subroto (Universitas Islam Sultan Agung, Indonesia)
14.15	R02.8	1571312252	From Preprocessing to Validation: A Systematic Review of Signal Processing and Machine Learning Practices for Reproducible Plant Bioelectrical Signal Analysis	Arif Mu'amar Wahid (Kanazawa University, Japan & Universitas Amikom Purwokerto, Indonesia); Hidetaka Nambo (Graduate School of Natural Science and Technology, Kanazawa University, Japan)

Time Start	Code	Paper ID	Title	Authors
14.30	R02.9	1571316577	RenalRQKV-Net: Receptive QKV Token Interaction for CT-Based Kidney Abnormality Classification	Mansoor Hayat (University of Manitoba, Canada); Aale Muhammad (Niigata University, Japan); Naveed Sultan (King Mongkut's University of Technology Thonburi, Bangkok, Thailand); Santitham Prom-on (King Mongkut's University of Technology Thonburi, Thailand)
14.45	R02.10	1571293869	Machine Learning-Based Analysis and Prediction of GMR Sensor Signals for Fe ₃ O ₄ Nanoparticle Detection	W. S. Mada Sanjaya (UIN Sunan Gunung Djati Bandung, Indonesia & Universitas Dian Nuswantoro, Indonesia); Hasniah Aliah (UIN Sunan Gunung Djati Bandung, Indonesia); Edi Suharyadi (UGM, Indonesia); Julia Angel (Badan Riset dan Inovasi Nasional, Indonesia); Vandri Ahmad Isnaini (UIN Sulthan Thaha Saifuddin Jambi, Indonesia); Dyah Anggraeni (Universiti Sultan Zainal Abidin, Malaysia & Bolabot Techno Robotic Institute, Indonesia); Gilang Pratama Putra Siswanto (UIN Sunan Gunung Djati, Bandung, Indonesia); Tsamrotus Saadah and Rangga Pramudya (UIN Sunan Gunung Djati Bandung, Indonesia); Rindra Yusianto (Universitas Dian Nuswantoro, Indonesia)
15.00	R02.11	1571294821	Anomaly Detection on Financial Transactions Using Adversarial Autoencoder and Explainable Generative AI	Imam Much Ibnu Subroto and Reswita Audinia (Universitas Islam Sultan Agung, Indonesia); Nurulhuda Zainuddin (Universiti Teknologi MARA, Malaysia)
15.15	R02.12	1571294994	Clause-Level Policy Theme Labeling of Indonesian Energy Regulations Using Natural Language Processing	Sherly Christina and Deddy Ronaldo (Universitas Palangka Raya, Indonesia); Agus Sehatman Saragih (University of Palangka Raya, Indonesia); Ade Chandra Saputra (Universitas Palangka Raya, Indonesia)
15.30	R02.13	1571305471	SLAM-FER: Efficient Facial Expression Recognition via Shared Spatial Attention and Multi-Head Gating	Amir Mahmud Husein, Syahrial, Yuwaldi Away and Yunida (Universitas Syiah Kuala, Indonesia); Mawaddah Harahap (Universitas Prima Indonesia, Indonesia)
15.45	R02.14	1571308800	Mapping the Research Landscape of Recommender Systems and Digital Twins for Energy Efficiency: A Bibliometric Approach	Ni Putu Puteri Suryaning R and Novera Istiqomah (Universitas Gadjah Mada, Indonesia); Ayodya Pradhipta Tenggara (UGM, Indonesia)

Time Start	Code	Paper ID	Title	Authors
16.00	R02.15	1571313597	Safe Speed Limit Control System for Diesel Engine Vehicle Model Using Fuzzy Logic Controller with IoT-Based Monitoring	Abner Frans Jarangga (Universitas Sanata Dharma, Indonesia); Damar Widjaja (Sanata Dharma University, Indonesia)
16.15	R02.16	1571296263	Performance Analysis of Fixed DSS, Traffic-Based DSA, and OSA Energy Detection for 4G/5G Spectrum in Indonesia	Arief Marwanto (Islamic University of Sultan Agung & Universitas Islam Sultan Agung, Indonesia); Budi Widarto (Balai Monitor Spektrum Frekuensi Radio Kelas I Semarang, Indonesia)
16.30	R02.17	1571308946	Two-Stage Hierarchical Classification with Borderline-SMOTE for Predicting Students' Academic Performance	Amira Fathinah (Universitas Darussalam Gontor, Indonesia); Itsnaini Irvina Khoirunnisa (Universitas Ahmad Dahlan, Indonesia)

Z03 — Parallel session Z03

2 September 2026 | 12:30-17:30

Time Start	Code	Paper ID	Title	Authors
12.30	Z03.1	1571281088	Electrochemical Characterization of Laser-induced Graphene (LIG) Electrodes for Uric Acid Detection	Rifdah Nur Nasywa and Suksmandhira Harimurti (Telkom University, Indonesia); Rizky Indah Sari (Institut Teknologi Bandung, Indonesia); Dita Puspitasari (Universitas Telkom Bandung, Indonesia); Isa Anshori (Institut Teknologi Bandung, Indonesia)
12.45	Z03.2	1571294658	Quantum-Classical Hybrid Deep Learning for Multi-Label Chest X-Ray Classification: A Comparative Study of Convolutional, Graph Attention, and Variational Quantum Architectures	Ahmed Zuhair (Northern Technical University, Iraq); Shahab Abdullah (University of Southern Queensland, Australia)
13.00	Z03.3	1571294834	AI-based Gallstone Disease Prediction using Calibrated Gradient Boosting	Hemanth Gaddipati (VNR Vignana Jyothi Institute of Engineering & Technology, India); Aryan Tummala (University of Pennsylvania, USA); Gautam Gokanakonda (Evergreen Valley High School, USA)
13.15	Z03.4	1571295404	PhysZ: A Physical Optical-Feature Method for Single-Image Axial Autofocus of Microorganisms	Anh Tuan Do, Quang Duong Bui, Dung Minh Kieu, Bang Anh Tuan Le and Anh Huy Pham (VNU University of Engineering and Technology, Vietnam); Hoang-Anh Phan (VNU University of Engineering and Technology, Hanoi, Vietnam); Loc Do Quang and Trinh Chu Duc (VNU University of Engineering and Technology, Vietnam)
13.30	Z03.5	1571295488	A Two-Stage Anatomical Point Cloud Registration Pipeline for Surgical Navigation	Margarida Carvalho and Afonso Pereira (FEUP, University of Porto, Portugal); Catarina Lopes (FEUP, University of Porto & INEGI, Portugal); Adélio Vilaça (Unidade Local de Saúde de Santo António, Portugal); Armando Sousa (University of Porto, Portugal); Joaquim Mendes (Faculdade de Engenharia da Universidade do Porto, Portugal & INEGI, Portugal)

Time Start	Code	Paper ID	Title	Authors
13.45	Z03.6	1571297003	Real-Time Remote Photoplethysmography on an Embedded Platform: System Design and Deployment Performance Evaluation	Darren Christian, Eduardo Ernesto Sugito and Syauqi Abdurrahman Abrori (Bina Nusantara University, Indonesia); Zener Sukra Lie (Bina Nusantara University & BINUS, Indonesia)
14.00	Z03.7	1571307013	Enhancing MRI Brain Tumor Classification with SE-Attention and Uncertainty Estimation: A Preliminary Study	Dian Palupi Rini (Universitas Sriwijaya, Indonesia); Desty Rodiah (Sriwijaya University, Indonesia); Putri Agustina (Universitas Sriwijaya, Indonesia); Endang Lestari Ruskan (Sriwijaya University, Indonesia); Alvi Syahrini Utami and Ferlian Seftianto (Universitas Sriwijaya, Indonesia); Adi Hermansyah (Universitas Sriwijaya, Indonesia & Fakultas Ilmu Komputer, Indonesia); Didi Rosiyadi (National Research and Innovation Agency, Republic of Indonesia, Indonesia); Indrajani Sutedja (Binus University, Indonesia)
14.15	Z03.8	1571303527	Adapting Entropy-Based Subset Selection for Cost-Effective Liver Disease Diagnostic Pathways	Rommy (Universitas Tanjungpura, Indonesia); Jimmy Tjen (Swinburne University of Technology Sarawak Campus, Malaysia); Hendro (Universitas Widya Dharma Pontianak, Indonesia)
14.30	Z03.9	1571312119	Unsupervised Hierarchical Clustering of RNA-Seq Data for Molecular Subtype Discovery in Lung Adenocarcinoma	Fadil Nugroho (BINUS University, Indonesia); Risang Faiz Muhammad, Fabiano Salmaen Intama and Anderies (Bina Nusantara University, Indonesia)
14.45	Z03.10	1571237728	Transformer-Based Semantic Modelling for Automated COBIT 2019 BAI06.01 Compliance Assessment	Joseph Clio Limantara (Sepuluh Nopember Institute of Technology, Indonesia & Bank Maspion Indonesia, Indonesia); Kelly Rossa Sungkono and Riyanarto Sarno (Institut Teknologi Sepuluh Nopember, Indonesia); Fadlilatul Taufany (Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia); Arif Abdullah Sagan (Universidade Dili, Timor-Leste); Muhammad Suzuri Hitam (Universiti Malaysia Terengganu, Malaysia)

Time Start	Code	Paper ID	Title	Authors
15.00	Z03.11	1571237909	Determining COBIT 2019 DSS05.04 Capability Levels using Process Mining and Similarity Analysis: A Beauty Retail Case Study	Izra Noor Zahara Aliya, Kelly Rossa Sungkono and Riyanarto Sarno (Institut Teknologi Sepuluh Nopember, Indonesia); Fadlilatul Taufany (Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia); Arif Abdullah Sagan (Universidade Dili, Timor-Leste); Muhammad Suzuri Hitam (Universiti Malaysia Terengganu, Malaysia)
15.15	Z03.12	1571275096	AIS-Based Approaches to Ship Trajectory Compression: A Systematic Review for Maritime Traffic Analysis	Afif Zuhri Arfianto (Universitas Brawijaya, Indonesia)
15.30	Z03.13	1571276411	Classification of Organic and Inorganic Waste Using CNN Method and EfficientNetB7 Architecture	Norbertus Tri Suswanto Saptadi (Universitas Atma Jaya Makassar, Indonesia); Sean Coonery Sumarta (Atma Jaya University of Makassar, Indonesia); Filbert Evan Hamwar (Universitas Atma Jaya Makassar, Indonesia)
15.45	Z03.14	1571282192	Toward Water-Positive AI Data Centers: Coupling Immersion Cooling with Waste-Heat-Driven Desalination	Salma Sebbar and Yassine Salih-Alj (Al Akhawayn University, Morocco)
16.00	Z03.15	1571286720	Multi-Stage NSGA-III Hyperparameter Optimization of YOLOv12n for Balanced Vehicle Detection	Yusuf Anshori (Universitas Tadulako, Indonesia); Mohammad Yazdi Pusadan (Institute Technology of Sepuluh Nopember & University of Tadulako, Indonesia); Yuri Yudhaswana Joeffie (Universitas Tadulako, Indonesia)
16.15	Z03.16	1571290493	Design Of A Secure Peer-To-Peer File Transfer System Using Ephemeral Pairing Codes and Lightweight Dual-Layer Encryption	Joan Febryan (BINUS University, Indonesia); Nadia (Bina Nusantara University, Indonesia)
16.30	Z03.17	1571290592	Understanding Driving Behavior with K-Means Clustering for Fuel Consumption using ANOVA on eVED	Raka Prasetya Wildiansyah (Universitas Telkom, Indonesia); Aji Gautama Putrada and Novian Anggis Suwastika (Telkom University, Indonesia)
16.45	Z03.18	1571291623	CTGAN and CCP for Robust Occupancy Detection with Multi-Sensor IoT Using Decision Tree	Ronald Yakop Simorangkir (Universitas Telkom, Indonesia); Aji Gautama Putrada and Monterico Adrian (Telkom University, Indonesia)

Z04 — Parallel session Z04

2 September 2026 | 12:30-17:30

Time Start	Code	Paper ID	Title	Authors
12.30	Z04.1	1571293440	Omnichannel AI-Driven Guest Feedback Management: Integrating Reviews, Surveys, and Social Media into Single Dashboard Monitoring Feedback	Risa Zahrani (Universitas Telkom, Indonesia); Rio Nurtantyana (National Research and Innovation Agency, Indonesia & Telkom University, Indonesia); Giap Van Nguyen (Thai Nguyen University of Information and Communication Technology, Vietnam)
12.45	Z04.2	1571293767	The Fortress Model: Designing Resilient Language Models Against Dual Attack Vectors	Rahul Padwani (Cleveland State University, USA); Bala Vikram Tadikonda (DePaul, USA); Mahendra Rajwade (SNS Info, USA); Nitin Suresh Lohana (Northeastern University, USA); Ramandeep Arora (Cleveland State University, USA)
13.00	Z04.3	1571293974	Computer Vision-Based Real-Time For Elderly Fall Detection System	Muhamad Irsan and Giovanni Nadika (Telkom University, Indonesia)
13.15	Z04.4	1571294824	Comparative Analysis of CNN and Vision Transformer using Fusion Domain Features for AI-Generated Image Detection	Alwin, Radesta Aryasadewa and Henry Lucky (Bina Nusantara University, Indonesia)
13.30	Z04.5	1571294956	PA-RAG: A Pedagogy-Aware RAG Pipeline for Curriculum-Aligned MCQ Generation from Indonesian K-12 Physics Textbook	Jeems Terri Agustinus (Institut Teknologi Sepuluh Nopember, Indonesia); Daniel Siahaan (Institut teknologi Sepuluh Nopember, Indonesia)
13.45	Z04.6	1571295176	Automated Construction of Malware Behavior Datasets Using Cuckoo3 Sandbox in an Air-Gap Environment	Raihan Nur Ramadhan Sundana, Yudha Purwanto and Muhammad Faris Ruriawan (Telkom University, Indonesia)
14.00	Z04.7	1571295267	Knowledge Graph and Semantic Technologies for Intelligent Analysis of Unreported Fishing in Indonesian Capture Fisheries: A Systematic Literature Review	Wina Witanti, Indra Jaya, Sony Hartono Wijaya and Irman Hermadi (IPB University, Indonesia)
14.15	Z04.8	1571295465	Jelajah Bekasi: Design and Empirical Validation of a Smart Regional Tourism Application Using an Integrated ECM-TAM	Sulistyo Heripracoyo (Bina Nusantara University, Indonesia)
14.30	Z04.9	1571295495	A Comparative Study of Machine Learning, Deep Learning, and Transformer-Based Models for	Novialdi Ashari (Universitas Negeri Medan, Indonesia); Ulfah Oktarida Sihalohe (Universitas Sumatera Utara, Indonesia)

Time Start	Code	Paper ID	Title	Authors
			Sentiment Analysis of Indonesian Coretax Tweets	
14.45	Z04.10	1571283272	Continual Domain-Adaptive IndoBERT for Robust e-WOM Sentiment Analysis on Noisy Indonesian Instagram Comments	Andi Riansyah (Universitas Islam Sultan Agung, Indonesia & Universitas Diponegoro, Indonesia); Muhammad Qomaruddin (Universitas Islam Sultan Agung (UNISSULA), Indonesia); Nabel Ilyasa Pradana and Fauzan Habib Assidiq (Universitas Islam Sultan Agung, Indonesia); Muhammad Alden Arraihan Ibrahim (Sultan Agung Islamic University, Indonesia); Nurulhuda Zainuddin (Universiti Teknologi MARA, Malaysia)
15.00	Z04.11	1571283286	Identifying Manipulative Commenting Behavior on Instagram via Temporal Synchronization and Textual Similarity Clustering	Andi Riansyah (Universitas Islam Sultan Agung, Indonesia & Universitas Diponegoro, Indonesia); Muhammad Qomaruddin (Universitas Islam Sultan Agung (UNISSULA), Indonesia); Nabel Ilyasa Pradana and Fauzan Habib Assidiq (Universitas Islam Sultan Agung, Indonesia); Muhammad Alden Arraihan Ibrahim (Sultan Agung Islamic University, Indonesia); Nurulhuda Zainuddin (Universiti Teknologi MARA, Malaysia)
15.15	Z04.12	1571295132	Data Quality Assessment and Enhancement of the Global Heat Flow Database	Mounir Benaija (Reims Champagne Ardenne University, France); Hacene Fouchal and Mourad Rebay (Université de Reims Champagne-Ardenne, France)
15.30	Z04.13	1571300117	Optimizing Large Language Model Inference Without Model Compression: A System Architecture Perspective	Justin Tristan Tirta and Matthew Christopher Alam (Binus University, Indonesia); Kenny Jingga (Bina Nusantara University, Indonesia)
15.45	Z04.14	1571300975	The Privacy Paradox Among Fintech Users Gap Analysis Between Perceived Awareness and Policy-Reading	Reyna Theo Sugiono, Yulius Lie and Lindawati (Bina Nusantara University, Indonesia)
16.00	Z04.15	1571301867	Digital Twin-Driven Counterfactual RIS Beam Rescue for Proactive Handover Avoidance in Ultra-Dense THz Small Cells	Nayeema Islam and Mohammed Nasir Uddin (Jagannath University, Bangladesh)

Time Start	Code	Paper ID	Title	Authors
16.15	Z04.16	1571304088	Performance Trade-Offs in Automated Vulnerability Scanning for IIoT/Mechatronic Fleets: OpenSCAP Standalone and Ansible Orchestration	Muhammad Rizki Rafsyandjani, Umar Yunan Hedyanto, Adityas Widjarto, Egi Al Fansyah and Muharman Lubis (Telkom University, Indonesia)
16.30	Z04.17	1571304161	JSON Web Tokens vs. Session-Based Authentication: A Case Study in Architecture Trade-offs for Academic Systems	Archita Nilesh Yadav and Rushan M. Shaikh (WIT, Solapur, India)
16.45	Z04.18	1571304352	Enhancing Population Census Accuracy through ICT Driven Register Based Systems Evidence from Sudan and Solutions from Saudi Arabia	Elkhatim Abuelysar Elmobarak Mohammedali (Al-baha University, Saudi Arabia)

Z05 — Parallel session Z05

2 September 2026 | 12:30-17:30

Time Start	Code	Paper ID	Title	Authors
12.30	Z05.1	1571304357	Impact of Historical Time Windows on Stock Return Prediction Using Random Forest and XGBoost	Dennise Adrianto (Binus Online Learning, Bina Nusantara University, Indonesia); Viga Laksa Hardjanto (BINUS Online Learning, Bina Nusantara University, Indonesia)
12.45	Z05.2	1571304435	An IIoT-Based Real-Time OEE Monitoring System Integrating PLC and MQTT with QoS Evaluation	Agus Diantoro (Computer Science Department, Binus Online Learning Binus University); Dennise Adrianto (Computer Science Department, Binus Online Learning, Binus University); Yudy Purnama (Computer Science Department, Binus Online Learning Binus University)
13.00	Z05.3	1571304502	Application of CRISP-DM Methodology and K-Means Clustering for Employee Segmentation Analysis	Aldo Alamsyah (Binus University, Indonesia); Ghinaa Zain Nabiilah (Bina Nusantara University, Indonesia)
13.15	Z05.4	1571304637	Bridging the Student and Alumni Gap: A Mobile Ecosystem with Technology Acceptance Analysis for Higher Education	Winston Narada Kusumahadi and Maulahikmah Galinium (Swiss German University, Indonesia); James Purnama (University of Indonesia, Indonesia)
13.30	Z05.5	1571305201	Design of the JOFF Evaluation Application Database as a Tool for Measuring the Effectiveness of Fliperentiation Learning	Dewa Gede Hendra Divayana, I Made Sugiarta, P. Wayan Arta Suyasa, Agus Adiarta, Made Susi Lissia Andayani and Ni Ketut Erawati (Universitas Pendidikan Ganesha, Indonesia)
13.45	Z05.6	1571305877	A Layered IoT-Based Server Room Access Control System with RFID-PIN Authentication and Credential Hashing	Rafa Shafaudin Athallah, Aqilah Putri Meylani S and Stevent Imanuel Ginting (Politeknik Siber dan Sandi Negara, Indonesia); Ricky Aji Pratama (Badan Siber dan Sandi Negara, Indonesia); Rizka Khairunnisa (Politeknik Siber dan Sandi Negara, Indonesia); Rheva Anindya Wijayanti (Badan Siber dan Sandi Negara, Indonesia & National Cyber and Crypto Polytechnic, Indonesia)
14.00	Z05.7	1571306321	Transfer Learning for Fruit and Its Freshness Classification Using U-Net and SegNet for Image Segmentation	Edric Pratama Widjaja (Binus University, Indonesia)
14.15	Z05.8	1571306368	Stress Level Prediction Using A Benchmarked Machine Learning Algorithm Based on Psychological and Behavioral Factors	Juan Felix, Junior Ericktwo and Shane Sutjipto (Binus University, Indonesia); Reina Setiawan and R Rumagit (Bina Nusantara University, Indonesia)

Time Start	Code	Paper ID	Title	Authors
14.30	Z05.9	1571306685	Deep Neural Network-Driven Intrusion Prevention System for Real-Time Mitigation of TCP SYN Flooding in Smart Home Networks	Nurul Afifah (Universitas Sriwijaya, Indonesia); Deris Stiawan (University of Sriwijaya, Indonesia); Dendi Renaldo Permana, Muhammad Rizki Febrian, Muhammad Loga Omar Batuta and Ali Bardadi (Universitas Sriwijaya, Indonesia); Indra Wicaksono (Seclab Indonesia, Indonesia); Dwi Prasetya (PLN, Indonesia); Reza Maulana (PT. Taruna Anugrah Mandiri, Indonesia)
14.45	Z05.10	1571306723	BiLSTM-CRF Based Named Entity Recognition for Cyber Threat Intelligence: A Comparative Study of Tagging Schemes	Dendi Renaldo Permana (Universitas Sriwijaya, Indonesia); Deris Stiawan (University of Sriwijaya, Indonesia); Nurul Afifah, Hikmah Maharani, Tasya Harwani Barus and Muhammad Qurhanul Rizqie (Universitas Sriwijaya, Indonesia); Adi Saputra (Institut Teknologi Sepuluh Nopember, Indonesia); Yudisthira (PT Indosat Tbk, Indonesia); Hanif Fakhurroja (National Research and Innovation Agency, Indonesia & Telkom University, Indonesia)
15.00	Z05.11	1571306743	Dimensionality Reduction using CFS for Optimized Random Forest-Based Spyware Classification in Memory Forensics	Septiani Kusuma Ningrum (Universitas Sriwijaya, Indonesia); Amelia Pramudita (COMNETS Research Group, Indonesia); Ahmad Heryanto (Sriwijaya University, Indonesia); Iman Saladin B Azhar and Muhammad Rizki Febrian (Universitas Sriwijaya, Indonesia); Tri Wanda Septian (University of Sriwijaya, Indonesia); Heru Heru saputra (PT. Semen Baturaja, Indonesia); Jihan Badiatus Shaliha and Ilma Sari (Universitas Sriwijaya, Indonesia)
15.15	Z05.12	1571306755	Fusing Static and Dynamic Reverse Engineering for Comprehensive Behavioral Analysis of Android Malware	Deris Stiawan (University of Sriwijaya, Indonesia); Septiani Kusuma Ningrum, Dendi Renaldo Permana, RA Siti Safa Marefa and Dhani Saputra (Universitas Sriwijaya, Indonesia); Muhammad Ajran Saputra (PT Bank Rakyat Indonesia, Indonesia); Khalid Hussain (Albukhary International University, Malaysia); Rahmat Budiarto (Al Baha University, Saudi Arabia); Jaka Naufal Semendawai (Charoen Pokphand Indonesia, Indonesia)

Time Start	Code	Paper ID	Title	Authors
15.30	Z05.13	1571307037	Design and Implementation of a Modular Web-Based Monitoring System for Real-Time Measurement While Drilling Data Visualization	Athallah Rafif Irsyach Sarbrani, Reza Rendian Septiawan and Andrew Brian Osmond (Telkom University, Indonesia)
15.45	Z05.14	1571307091	Usability and User Experience Analysis Of E-Commerce Platforms Using The System Usability Scale (SUS) Evaluator Application	Edrick Teddyatmaja (BINUS University, Indonesia); Diana (Bina Nusantara University, Indonesia)
16.00	Z05.15	1571307382	An Applied Data Science Framework for Spatio-Temporal Risk Profiling of Child Undernutrition	Angga Radlisa Samsudin (Universitas Atma Jaya Yogyakarta, Indonesia); Agus Sidiq Purnomo (Universitas Mercu Buana Yogyakarta, Indonesia & Universitas Negeri Yogyakarta, Indonesia); Erin Eka Citra (Universitas Lampung, Indonesia); Siti Mutmainah (Universitas Muhammadiyah Bima, Indonesia); Yulya Muharmi (Universitas Lampung, Indonesia); Faishal Basbeth (Widya Gama Institute of Technology and Business Lumajang, Indonesia)
16.15	Z05.16	1571307385	Research Expertise Discovery from Scholarly Publications Using Large Language Models	M. Miftakul Amin, Ali Firdaus, Siska Aprianti, Yevi Dwitayanti, Elreza Randika, M. Afyah Tatumadha and Cessa Amelia (Politeknik Negeri Sriwijaya, Indonesia)
16.30	Z05.17	1571287200	An Improved EfficientNetB4-Based Deep Learning Model for Reliable Skin Cancer Classification from Dermoscopic Images	Muhammad Reesa Rosyid (Universitas Dian Nuswantoro, Indonesia & Udinus, Indonesia); Lubna Mawaddah and Guruh Fajar Shidik (Universitas Dian Nuswantoro, Indonesia); Muhamad Akrom (Dian Nuswantoro University, Indonesia); Supriadi Rustad (Universitas Dian Nuswantoro, Indonesia)
16.45	Z05.18	1571293582	Dual-Mode Dynamic Crawling for SERP Manipulation Detection on Indonesian Government and Academic Websites	M Naufal Hafizh Jatsono, Muhamad Irsan and Rio Guntur Utomo (Telkom University, Indonesia)

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Time Start	Code	Paper ID	Title	Authors
12.30	Z06.1	1571307519	Enterprise Architecture Gap Analysis for Sustainable Conservation Governance: Evidence from an Indonesian Forest Park	Rully Pramudita (Bina Insani University, Indonesia & Diponegoro University, Indonesia); Aghus Sofwan and Maman Somantri (Diponegoro University, Indonesia)
12.45	Z06.2	1571307793	Building a Pull-Based Peer-to-Peer Embedded Sensor Network	Stefan Bräuner and Sneha Mohanty (Albert-Ludwigs-Universität Freiburg, Germany); Saptadi Nugroho (Universitas Kristen Satya Wacana, Indonesia & Albert-Ludwigs-Universität Freiburg, Germany); Maximilian Maar (Albert-Ludwigs-Universität Freiburg, Germany); Christian Schindelbauer (University of Freiburg & Rechnernetze und Telematik an der Albert-Ludwigs-Universität Freiburg, Germany)
13.00	Z06.3	1571307835	Clustering Analysis of Countries Based on Indonesia's Food Export-Import Data	Patrice Agustin (Bina Nusantara University, Indonesia); Syarifah Diana Permai (Bina Nusantara University, Indonesia & Universitas Bina Nusantara, Indonesia); Karli Eka Setiawan (Binus University, Indonesia)
13.15	Z06.4	1571307846	Calibration and Interpretability Driven Deepfake Video Detection for Cybersecurity Forensic Support Using DFDC	Fatima Shukur and Marwah Al-Mahmmodi (University of Kufa, Iraq)
13.30	Z06.5	1571307912	Concurrency Matters: An Experimental Evaluation of Ed25519 versus ECDSA Algorithm in Hyperledger Fabric 3.x for Blockchain System	Nabeel Z. Tawfeeq (University of mosul, Iraq); Dujan Taha (College of Computer Science and Mathematics, Iraq)
13.45	Z06.6	1571308527	An Analysis of Supply Chain Resilience Strategies in Responding to Geopolitical Disruptions in the Food and Beverage Sector: A Systematic Literature Review	Wanda Octavia (Binus University, Indonesia); Sulistyo Heripracoyo (Bina Nusantara University, Indonesia)

Time Start	Code	Paper ID	Title	Authors
14.00	Z06.7	1571308798	Hybrid TOPSIS-Machine Learning Desktop Decision Support Systems Based for Fair Teacher	Sumardiono (Bina Insani University, Indonesia & AMIK Purnama Niaga, Indonesia); Norhafizah Ismail (Politeknik Mersing, Malaysia); Saludin, Rita Wahyuni Arifin, Supardi and Triyogo Moelyo Adhi (Bina Insani University, Indonesia)
14.15	Z06.8	1571308903	Efficient Indonesian Word Validation Using Probabilistic Membership Filters	Daffa Gusti Ramadhany (Bina Nusantara, Indonesia); Lusiana Citra Dewi (Bina Nusantara University, Indonesia); Alvin Chandra (Binus University, Indonesia); Rita Layona and Yovita Tunardi (Bina Nusantara, Indonesia)
14.30	Z06.9	1571308947	Geo-Goat: Evaluation of a LoRaWAN-Enabled Geofencing Collar for Smallholder Goat Monitoring	Michael Jibrell J. Escolano, Israfeel Mikhail A. Tagorda and Yke Cedrick C. Tenecio (Mindanao State University - Iligan Institute of Technology, Philippines); Apple Rose B. Alce (Mindanao State University-Iligan Institute of Technology, Philippines); Paul Rodolf P. Castor (Mindanao State University - Iligan Institute of Technology, Philippines)
14.45	Z06.10	1571309057	Adaptive Learning Path Recommender System for Cybersecurity Education Using Knowledge Graphs	Bill Elim (Bina Nusantara University & Seclab Indonesia, Indonesia); Yohan Muliono (Bina Nusantara University, Indonesia)
15.00	Z06.11	1571309131	Assessing ERP Readiness and Project Success in the Distribution Sector: A TOEPP and PLS-SEM Approach	Ryannisa Syarifa Triandini (Universitas Telkom Bandung, Indonesia)
15.15	Z06.12	1571309196	Detection of Interest Flooding Attacks Using Pending Interest Table (PIT) Occupancy and Satisfaction Ratio in Named Data Networking (NDN)	Reivo Akbar Novarist (Universitas Telkom, Indonesia); Mochammad Fathu Rizal, Malldi Saesar Ariffudin, Rafi Andhika Putra Pratama and Ade Aditya Ramadha (Telkom University, Indonesia)
15.30	Z06.13	1571309226	Smart Campus Resource Planning Architecture: A Systematic Literature Review And Design	Razaqa Deanova Hazmi Suganda, Yuli Adam Prasetyo and Iqbal Yulizar Mukti (Telkom University, Indonesia)

Time Start	Code	Paper ID	Title	Authors
15.45	Z06.14	1571309236	Python-Based Translation Gateway System for Integrating IP IoT Ecosystem into Named Data Networking	Rafid Shidqi Rabbani (Universitas Telkom, Indonesia); Mochammad Fahru Rizal, Ade Aditya Ramadha and Malldi Saesar Ariffudin (Telkom University, Indonesia); Reivo Akbar Novarist (Universitas Telkom, Indonesia)
16.00	Z06.15	1571311851	Comparative Study of Transformer Models for Indonesian Multi-Label Hate Speech and Abusive Language Detection	Charles and Dennis Valliant (Binus University, Indonesia); Alexander Agung Santoso Gunawan and Rilo Chandra Pradana (Bina Nusantara University, Indonesia)
16.15	Z06.16	1571294906	A Workflow-Oriented Digital Certification System for Hajj Training Using Functional Validation and Usability Evaluation	Aris Rakhmadi (Universitas Muhammadiyah Surakarta, Indonesia & Universitas Muhammadiyah Yogyakarta, Indonesia); Syarifur Rizal Miftahul Hasan (Universitas Muhammadiyah Surakarta, Indonesia); Yogiek Indra Kurniawan (Universitas Jenderal Soedirman, Indonesia); Hero Wintolo (Institut Teknologi Dirgantara Adisutjipto, Indonesia); Astika Ayuningtyas (Adisutjipto Institute of Aerospace Technology, Indonesia); Joko Handoyo (Ronggolawe Technology College, Indonesia)
16.30	Z06.17	1571269988	CB-DRL-CL: Cerebellum-Basal Ganglia Inspired Safe Continual Deep Reinforcement Learning for Mobile Robot Navigation with Tabular Gridworld Validation	Jhalak Malhotra, Rajay Vedaraj, Saanya Varshney, Vani Verma and Yashika Gupta (Vellore Institute of Technology, India)

Z07 — Parallel session Z07

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Time Start	Code	Paper ID	Title	Authors
12.30	Z07.1	1571309363	Virtual Reality for Digital Transformation: Design Frameworks, Emerging Technologies, and Application Trends	Ayu Fadhilah (Universitas Sriwijaya, Indonesia)
12.45	Z07.2	1571309365	Design and Performance Evaluation of a Near Real-Time On-Screen Translation Pipeline for Android	Hansel Wilam, Darwin Donovan Darmadi, Elvan Nicola and Muhamad Keenan Ario (Bina Nusantara University, Indonesia)
13.00	Z07.3	1571309419	Robust and Explainable Ensemble Machine Learning for Network Intrusion Detection Using UNSW-NB15 and CICIDS2017 Datasets	Rickardo Satrio and Erna Hikmawati (Telkom University, Indonesia)
13.15	Z07.4	1571309429	LSTM-based Cryptocurrency Price Prediction For Reddit Sentiment Analysis	Lukman Norhakim Zainal (Universiti Teknologi MARA Melaka Branch, Malaysia); Nurulhuda Zainuddin (Universiti Teknologi MARA, Malaysia); Norzatul Bazamah Azman Shah, Nur Asyira Naziron and Muhammad Afiq Mohd Halim (Universiti Teknologi MARA Melaka Branch, Malaysia); Imam Much Ibnu Subroto (Universitas Islam Sultan Agung, Indonesia)
13.30	Z07.5	1571309440	Design and Evaluation of a Transaction-Safe Configurable Promotion Rule Management Service for Gamified Electric Vehicle Charging Applications	Vinsesius Boido Simarmata, Rizza Indah Mega Mandasari, Fat'hah Noor Prawita, Nanda Harry Nurbudyana and Erna Hikmawati (Telkom University, Indonesia)
13.45	Z07.6	1571309447	Women's Safety Alert System with Real-Time Police Dispatch Using Dijkstra's Algorithm	Anis Amilah Shari (Universiti Teknologi MARA (Melaka) Kampus Jasin, Malaysia); Mohd Rahmat Mohd Noordin (UiTM, Malaysia); Asiah Mat (Uitm, Malaysia); Asma Shazwani Shari (UiTM, Malaysia); Norlida Razali and Siti Anisah Mohd Hatta (Uitm, Malaysia); Muhammad Rusydi Fahmi Rosli (Eduperson, Malaysia); Farah Muna Mohamad Ghazali (Universiti Teknologi MARA (UiTM) & Terengganu Branch, Malaysia)

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14.00	Z07.7	1571309481	Prioritizing Artificial Intelligence Adoption Challenges in the Cultural Heritage Sector: An Expert-Based Analytic Hierarchy Process Approach	Topan Try Harmanda (Universitas Indonesia, Indonesia); Achmad Hidayanto and Rizal Aji (University of Indonesia, Indonesia)
14.15	Z07.8	1571311488	Design and Field Deployment of an IoT-Based Real-Time Water Monitoring Platform for Refillable Water Depots in Jakarta	Budi Prasetyo Nugroho (Binus University, Indonesia); Alexander Agung Santoso Gunawan (Bina Nusantara University, Indonesia); Rinaldi Pahlevi (Solusi Pemetaan Pasti, Indonesia)
14.30	Z07.9	1571312053	Optimizing EfficientNetV2B0 for Faster and More Accurate Herbal Leaf Classification	Heparia Arum Ndaru Ramdhani (Universitas Sebelas Maret, Indonesia); Febri Liantoni (Sebelas Maret University, Indonesia & Universitas Sebelas Maret, Indonesia)
14.45	Z07.10	1571312561	BEST: A Conceptual Blockchain Ecosystem Architecture for Smart Tourism with Ethereum-Based Transactions in Lagoi Bintan	Dodi Setiawan (Universitas Sriwijaya, Indonesia); Deris Stiawan (University of Sriwijaya, Indonesia); Mohd. Yazid Idris (Universiti Teknologi Malaysia, Malaysia); Akhmad Khudri (Sriwijaya University, Indonesia & Bina Darma University, Indonesia)
15.00	Z07.11	1571312686	Comparative Study of Real and AI-Generated Image Classification Using Deep Learning Models	Candra Effendi Gunawan (Binus University, Indonesia); Alexander Agung Santoso Gunawan (Bina Nusantara University, Indonesia)
15.15	Z07.12	1571312696	The Influence of Developer Refactoring Strategies on Complexity Metrics and Maintainability: An Empirical Analysis Using SonarQube and Manual Measurement	Dewi Puspita Sari, Indra Azimi and Rizza Indah Mega Mandasari (Telkom University, Indonesia)
15.30	Z07.13	1571312762	Predicting Students Learning Styles and Personality Types from Essays Using Support Vector Machine	Zidan Firkhan Ali (Universitas Sebelas Maret, Indonesia); Febri Liantoni (Sebelas Maret University, Indonesia & Universitas Sebelas Maret, Indonesia)
15.45	Z07.14	1571313027	Comparative Analysis of Latency and Resource Utilization in Docker and Serverless FaaS Architectures	Marvino Maruli and Moses Alvin Marcello Panjaitan (Binus University, Indonesia); Alexander Agung Santoso Gunawan and Rilo Chandra Pradana (Bina Nusantara University, Indonesia)

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16.00	Z07.15	1571313171	Real-Time Browser-Based Phishing URL Detection with Low-Latency Transformer-Based Inference	Minh Linh Dam, Le Minh-Hoa, Le Ha-Thanh and Huynh Trong Thua (Posts and Telecommunications Institute of Technology, Vietnam)
16.15	Z07.16	1571309459	Comparative Analysis of K-Means, KNN, and MICE for Handling Missing Values in High-Dimensional Educational Data	Muhammad, Tole Sutikno and Imam Riadi (Universitas Ahmad Dahlan, Indonesia)
16.30	Z07.17	1571306580	Explainable Transformer-Based Sentiment Analysis of Public Responses to Indonesia's Free Nutritious Meal Program	Erlin Elisa and Nurul Azwanti (Universitas Ahmad Dahlan, Indonesia); Andi Maslan (Universitas Putera Batam, Indonesia); Yulya Muharmi, Erin Eka Citra, Dhella Amelia and Riska Amalia Praptiwi (Universitas Lampung, Indonesia)
16.45	Z07.18	1571310552	IoT-Based Smart Door Lock System Using Fingerprint and PIN Authentication with Telegram Notification	Tole Sutikno (Universitas Ahmad Dahlan, Indonesia); Watra Arsadiando (Embedded Systems and Power Electronics Research Group (ESPERG), Indonesia); Wahidin Ridwan (Universitas Ahmad Dahlan, Indonesia)

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Time Start	Code	Paper ID	Title	Authors
12.30	Z08.1	1571272997	Adaptive Speed Control and Power Optimization of Bucket Elevator for Solid Particles CSP Systems	Chaimae El Baraka, Yasmine Aqnouch and Yassine Salih-Alj (Al Akhawayn University, Morocco)
12.45	Z08.2	1571291407	Fault Classification in 20 kV Power Distribution Systems Using Machine Learning Based Processing of Protection Relay Disturbance Data	Abdul Goni (Universitas Diponegoro, Indonesia); Aghus Sofwan (Diponegoro University, Indonesia); Munadi (Universitas Diponegoro, Indonesia)
13.00	Z08.3	1571293993	Comparative Evaluation of Machine Learning and Deep Learning Models for Multi-Class Fault Classification in Grid-Connected Photovoltaic Systems Using the GPVS-Faults Dataset	Hajar Hussein and Maher F. Mohammed (Northern Technical University, Iraq); Samir Abood (Prairie View A&M University, USA)
13.15	Z08.4	1571294041	From Passive Protection to Intelligent Control: An Adaptive Data-Driven Framework for Steam Turbine Overspeed Systems	Muhammad Nurrul Kahfi, S.Kom (Binus University, Indonesia); Sasmoko and Tota Pirdo Kasih (Bina Nusantara University, Indonesia)
13.30	Z08.5	1571294614	Adaptive Volt-VAR Control Using Real-Time Grid Sensitivity Estimation for Grid-Connected PV Inverters	Y.M Yasiru Navodya, Tharaka Diddu Godage, Sahan Mandira, Hasitha Eranga Walakadawattage and Manuja Gunawardana (University of Moratuwa, Sri Lanka)
13.45	Z08.6	1571294696	A Novel Low-Cost ESP32-Based Adaptive Control Scheme for Voltage and Frequency Regulation of Self-Excited Induction Generator in Off-Grid Renewable Energy Systems	Mustafa Salim and Maher F. Mohammed (Northern Technical University, Iraq); Samir Abood (Prairie View A&M University, USA)
14.00	Z08.7	1571272782	A Causality-Informed Framework for Analysis and Control of Non-Uniform Electro-Thermal Behavior in Photovoltaic Modules	Az-eddine Bouterfak (Al Akhawayn University, Morocco); Soukaina Saddougui and Salma Marzouki (Al Akhawayn University in Ifrane, Morocco); Yassine Salih-Alj (Al Akhawayn University, Morocco)

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14.15	Z08.8	1571290700	Artificial Intelligence for Sustainable Energy Systems: From Energy Informatics to Autonomous Control	Mohd Hatta Jopri (Universiti Teknikal Malaysia Melaka, Malaysia); Tole Sutikno (Universitas Ahmad Dahlan & Universiti Teknologi Malaysia, Indonesia); Mohamad Haniff Harun (Universiti Teknikal Malaysia Melaka, Malaysia); Aleksandr Skamyin (Saint Petersburg Mining University, Russia); Mohd Riduan Mohd Shariff (Malaysian Refining Company Sdn Bhd, Malaysia); Maznida Shahila Mat Salleh (Jabatan Kerja Raya Malaysia, Malaysia)
14.30	Z08.9	1571293525	Implementation of PV-BESS-DG Utilization for Islanded Electrical Distribution System Case Study: Parang Island, Karimunjawa	Fajar Romi Al Mubarak (Universitas Diponegoro, Indonesia); Mochammad Facta (Diponegoro University, Indonesia); Susatyo Handoko and Trias Andromeda (Universitas Diponegoro, Indonesia); Karnoto (Diponegoro University, Indonesia); Nur Hidayat Arief (Politeknik Negeri Semarang, Indonesia)
14.45	Z08.10	1571295444	Design and Development of Smart Clustered External Controller to Mitigate Voltage Rise in High PV Penetration Distribution Networks	Samuditha Lankadithya Hettiarachchi, Tharindu Nainanayake, Sithum Nadiranga, KTM Udayanga Hemapala and Hasitha Eranga Walakadawattage (University of Moratuwa, Sri Lanka)
15.00	Z08.11	1571295659	Model-Free Voltage Estimation for PV-Rich Low-Voltage Distribution Networks Using Limited Historical Measurements	Patria Julianto (Universitas Borneo Tarakan, Indonesia); Fitriani (Borneo of Tarakan University, Indonesia)
15.15	Z08.12	1571304636	Transformer Oil Quality Detection System Based on Gas and pH Sensors with Real-Time Monitoring Using Internet of Things	Fadlioni and Rizal Hadi Hidayatullah (Universitas Muhammadiyah Jakarta, Indonesia); Muhammad Kunta Biddinika (Universitas Ahmad Dahlan, Indonesia); Haris Isyanto, Riza Samsinar and Eka Samsul Ma'arif (Universitas Muhammadiyah Jakarta, Indonesia)
15.30	Z08.13	1571308033	Zero Flow Holding with Micro Maintenance: Hydraulic Locking and Leakage Compensation Strategy for Energy Efficient Electrohydraulic Systems	Hiba Boufouchk and Meryeme Bouiabbouzen (Al Akhawayn University, Morocco); Amine Bibi (Al Akhawayn University in Ifrane, Morocco); Yassine Salih-Alj (Al Akhawayn University, Morocco)

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15.45	Z08.14	1571308444	Assessment of Harmonic Distortion under High PV Inverter Penetration in a University Distribution Network	Syafii and Nabilah Darma Fitri (Universitas Andalas, Indonesia)
16.00	Z08.15	1571308693	A Hybrid Classification Approach for Solar-Wind Energy Decision-Making Using Machine Learning	Mia Dwi Susanti, Nur Hamidah and Ali Musyafa (Institut Teknologi Sepuluh Nopember, Indonesia)
16.15	Z08.16	1571309569	Selective Rotor Operation for Enhanced Energy Production in Multirotor Wind Turbines under Wake Interaction Effects	Salma Marzouki (Al Akhawayn University in Ifrane, Morocco); Chaimae El Baraka, Reda Ait Heda and Yassine Salih-Alj (Al Akhawayn University, Morocco)
16.30	Z08.17	1571313028	A Comparisson Between D-STATCOM, DVR and Capacitor Bank in Power Quality Improvement in A Distribution System	Mohamad Hasanudin (Diponegoro University, Indonesia & Universitas Diponegoro, Indonesia); Mochammad Facta, Susatyo Handoko and Munawar A Riyadi (Diponegoro University, Indonesia)

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12.30	Z09.1	1571268073	Enhanced Photovoltaic Performances of PM6: L8-BO Organic Solar Cell via Layer Thickness Optimization and Electrical Parameter Modification	Tia Amanda, Angeline Kanya Calista Wandicha, Dewi Alfiani, M. Rivaldi Ali Septian and Mohamad Ramdhani (Telkom University, Indonesia); Arfat Pradana (RCNN Institut Teknologi Bandung, Indonesia); Suksmandhira Harimurti (Telkom University, Indonesia)
12.45	Z09.2	1571272953	Real-Time Detection of Partial Shading Faults in Photovoltaic Systems under Real Environmental Conditions: Morocco Case Study	Lina El Atmani, Alaa Aaziz, Rania Oulad Abdelghani and Yassine Salih-Alj (Al Akhawayn University, Morocco)
13.00	Z09.3	1571288035	Density Functional Theory Study on the Effect of Oxygen Vacancies on the Electronic Properties of Anatase TiO ₂	Vincensius Gunawan and Yanuar Arif Fadilah (Diponegoro University, Indonesia); Edi Suprayoga (National Research and Innovation Agency (BRIN), Indonesia); Ngurah Ayu Ketut Umiati (Universitas Diponegoro, Indonesia)
13.15	Z09.4	1571292921	Electromagnetic Field Simulation of Microwave Drying Chambers: Influence of Geometry and Wall Material on Energy Distribution Efficiency	Abdul Azis Azis Lihawa (Universitas Hasanuddin, Indonesia & PT. Rahmat Alam Utama, Indonesia); Elyas Palantei (Universitas Hasanuddin, Indonesia); Intan Sari Areni (Hasanuddin University, Indonesia)

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13.30	Z09.5	1571293852	Design and Implementation of a Portable GMR Sensor System Based on Raspberry Pi and MQTT for Real-Time Magnetic Biosensing	W. S. Mada Sanjaya (UIN Sunan Gunung Djati Bandung, Indonesia & Universitas Dian Nuswantoro, Indonesia); Hasniah Aliah (UIN Sunan Gunung Djati Bandung, Indonesia); Edi Suharyadi (UGM, Indonesia); Julia Angel (Badan Riset dan Inovasi Nasional, Indonesia); Vandri Ahmad Isnaini (UIN Sulthan Thaha Saifuddin Jambi, Indonesia); Dyah Anggraeni (Universiti Sultan Zainal Abidin, Malaysia & Bolabot Techno Robotic Institute, Indonesia); Gilang Pratama Putra Siswanto (UIN Sunan Gunung Djati, Bandung, Indonesia); Abimanyu Pratama Al Qautsar Nugraha (UIN Sunan Gunung Djati Bandung, Indonesia); Fitria Ayu Sulistiani (UIN Sunan Gunung Djati, Bandung, Indonesia); Ridho Aprian Roghoda (UIN Sunan Gunung Djati Bandung, Indonesia); Rindra Yudianto (Universitas Dian Nuswantoro, Indonesia)
13.45	Z09.6	1571295430	Implementation of Color Classification based on CIE2000 for TV Broadcasting	Gerino P Mappatao (De La Salle University, Philippines)
14.00	Z09.7	1571308643	A WBG-Aware Monitoring Framework for Mitigating Measurement Errors in Photovoltaic Inverters: Morocco Case Study	Malak Sarhane and Fatimaezzahra Lamsayah (Al Akhawayn University, Morocco); Adam Bentabate (Al Akhawayn University of Ifrane, Morocco); Yassine Salih-Alj (Al Akhawayn University, Morocco)
14.15	Z09.8	1571309184	Enhanced Soiling Detection and Shadow Rejection in Photovoltaic Systems via Opto-Electrical Data Fusion of RGB Transmittance and Impedance Spectroscopy	Nada Azouaou (Al Akhawayn University in Ifrane, Morocco); Malak Sarhane, Reda Ait Heda and Yassine Salih-Alj (Al Akhawayn University, Morocco)
14.30	Z09.9	1571312747	Comparative Analysis of Classical and Quantum Vibration Sensors Under Radiation-Induced Environmental Stress	Faaz Ali Sayyed (UOWD, United Arab Emirates); Vanshika Hemendra Kumar Choube and Varennya Chivukula (University of Wollongong in Dubai, Australia); Obada Al-Khatib, Abeer Mohamed Elkhoully and Mohd Fareq Abd Malek (University of Wollongong in Dubai, United Arab Emirates)

Time Start	Code	Paper ID	Title	Authors
14.45	Z09.10	1571308851	A Localized Automotive Grade Vehicle Control System for a 72V Converted Electric Tricycles(CTrike): Design, Optimization, and Validation	Bernard D. Bisuecos, Ian C. Pagulayan, Arthur Ibañez, Michael B. Orpilla, Roger P. Rumpon and Florentina S. Dumlao (Cagayan State University, Philippines)
15.00	Z09.11	1571294261	Failsafe Emergency Landing Strategy for a Quadcopter Under a Single Motor Failure	Thu Minh Dao, Tan Duy Dang and Huy Quoc Nguyen (Viettel High Technology Industries Corporation, Vietnam)
15.15	Z09.12	1571295383	Actuator-Aware Geometric SE(3) Tracking Control for Quad-X UAVs Under Realistic Motor and Saturation Constraints	The Hung Pham (Viettel High Technology Industries Corporation, Vietnam); Duc Tuan Nong (Viettel High Technology Industries Corporatio, Vietnam); Huy Quoc Nguyen (Viettel High Technology Industries Corporation, Vietnam)
15.30	Z09.13	1571295432	Motor-Aware Saturation-Constrained Geometric SE(3) Tracking Control With Finite-Horizon Velocity Preview for Heavy-Lift Quadrotors	The Hung Pham, Huy Quoc Nguyen and Thu Minh Dao (Viettel High Technology Industries Corporation, Vietnam)
15.45	Z09.14	1571325958	ROS 2-Based Simulation-to-Real Deployment of an Autonomous Differential-Drive Mobile Robot	Shyam Rithin S and Chitra Kaverappa (SRM Institute of Science and Technology, India); Uthayakumar Sowmmiya (SRM Institute of Science and Techology, India); Hendril Satrian P (Embedded System and Power Electronics Research Group, Indonesia & Institute of Advance Engineering and Science, Indonesia); Tole Sutikno (Universitas Ahmad Dahlan & Universiti Teknologi Malaysia, Indonesia)
16.00	Z09.15	1571307762	Benchmarking YOLO Variants for Dummy Victim Detection in Rescue Robot Competitions under Variable Environmental Conditions	Bustanul Arifin (Universitas Islam Sultan Agung, Indonesia); Agus Adhi Nugroho (Universitas Islam Sultan Agung (UNISSULA), Indonesia); Sri Arttini Dwi Prasetyowati (Universitas Islam Sultan Agung, Indonesia)
16.15	Z09.16	1571308560	Linguistic Stability of Sequence Detectors and Stability of Automaton-Supervised Switched Networks	Mohammad Fiuzy (LIT Secure and Correct Systems Laboratory Johannes Kepler University, Austria); Stefan Rass (Johannes Kepler University & Universitaet Klagenfurt, Austria)

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16.30	Z09.17	1571315255	Stability and Safety Zone Analysis of Time-Varying Nonlinear Cyber-Physical Multi-Agent System under DoS Attack	Mohammad Fiuzy (LIT Secure and Correct Systems Laboratory Johannes Kepler University, Austria); Stefan Rass (Johannes Kepler University & Universitaet Klagenfurt, Austria)

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12.30	Z10.1	1571292958	Real-time Mobile-based Car Diagnostics Using Acoustics	Yomna Hassan and Malak Ragaie (German University in Cairo, Egypt)
12.45	Z10.2	1571295440	Three-Dimensional Object Tracking Using Differential Electrical Impedance Tomography	Dai Van Pham (VNU University of Engineering and Technology, Vietnam); Bui Tien Dung (Hanoi University of Industry); Minh Binh Nguyen (VNU University of Engineering and Technology, Vietnam); Bao-Anh Hoang (VNU University of Engineering and Technology, Hanoi, Vietnam); Hoa Thi Nguyen (Hanoi National University of Education, Vietnam); Hoang-Anh Phan (VNU University of Engineering and Technology, Hanoi, Vietnam); Thang Nguyen Van (VNU - University of Engineering and Technology, Vietnam); Loc Do Quang and Trinh Chu Duc (VNU University of Engineering and Technology, Vietnam)
13.00	Z10.3	1571304273	Adaptive Blink Detection Using MediaPipe FaceMesh and Sigmoid-Based Eye-Closure Scoring Under Low-Light Conditions	Athif Fadheel Atharahman, Mohamad Ramdhani, Junartha Halomoan and Suksmandhira Harimurti (Telkom University, Indonesia)
13.15	Z10.4	1571306017	Separation-Aware Analysis of Acoustic Feature Robustness in Indonesian Children's Multi-Speaker Speech	Phie Chyan, Heni Gerda Pesau and Norbertus Tri Suswanto Saptadi (Atma Jaya Makassar University, Indonesia)
13.30	Z10.5	1571309518	A real-time wastewater monitoring system using machine learning and IoT technologies	Siti Maisarah Mohd Hanapiah and Siti Fairuz Nurr Sadikan (Universiti Teknologi MARA, Malaysia); Sulaiman Mahzan (Universiti Teknologi MARA Melaka, Malaysia)
13.45	Z10.6	1571313288	Downscaling and Bias Correction on Meteorological Dataset using UNet Architecture	Mochammad Zharif Asyam Marzuqi, Dini Adni Navastara and Bagus Jati Santoso (Institut Teknologi Sepuluh Nopember, Indonesia)

Time Start	Code	Paper ID	Title	Authors
14.00	Z10.7	1571326109	Real-Time Malaysian Road Sign Recognition Using YOLOv11n on Raspberry Pi 5	Mustafa Manap (Universiti Teknikal Malaysia Melaka, Malaysia); Tole Sutikno (Universitas Ahmad Dahlan & Universiti Teknologi Malaysia, Indonesia); Shamsul Fakhar Abd Gani (Universiti Teknikal Malaysia Melaka, Malaysia); Husna S Husin (Taylor's University, Malaysia); Abdul Razif Abd Rashid (Refining Company Sdn Bhd, Malaysia); Mohd Rahmat Mat Tahir (Malaysian Refining Company Sdn Bhd, Malaysia)
14.15	Z10.8	1571290971	Feasibility Modeling of SUTT Tower Using Machine Learning and Weighted Overlay Analysis Based on Technical and Environmental Factors in Manokwari Regency	Dimas Dwicahya, Erlinda Wahyuningtyas and Diyana Kumala (Binus University, Indonesia); Idha Kristiana (Bina Nusantara University, Indonesia)
14.30	Z10.9	1571291524	From Rule Engines to Agentic Systems: An AI Capability Maturity Framework for E-Commerce	Areta Vania Azalia (Binus University, Indonesia); Ali Gunawan and Mulyono (Bina Nusantara University, Indonesia)
14.45	Z10.10	1571292900	ResNet18 and OCR for Multimodal Receipt Forgery Detection Based on Image and Text	Alifya Chairunnisa Korosa (Universitas Telkom, Indonesia); Aji Gautama Putrada and Sidik Prabowo (Telkom University, Indonesia)
15.00	Z10.11	1571293780	YOLOv8n with Hybrid Ghost Backbone and Post-Training Quantization for Lightweight Underwater Marine Debris Detection	Nicole Minar Widjaja and Darren Ivano Chandra (Binus University, Indonesia); Henry Lucky (Bina Nusantara University, Indonesia)
15.15	Z10.12	1571294902	Ransomware Family Classification Using Machine Learning and SHAP-Based Dynamic Behavioral Analysis with Cuckoo Sandbox	Luluah Buhairah (Universitas Telkom, Indonesia); Yudha Purwanto and Muhammad Faris Ruriawan (Telkom University, Indonesia)
15.30	Z10.13	1571294966	LSTM-Based Chord Progression Extraction and Harmonic Function Recognition From Pop Songs Using Instrument Separation	Brian Anashari (Universitas Telkom, Indonesia); Putu Harry Gunawan (Telkom University, Indonesia)
15.45	Z10.14	1571295124	Sentiment Analysis of TikTok Comments on CoC S2 Participants Using Lexicon-Based Labeling with Machine Learning, Deep Learning, and Transformer Models	Fathan Fardian Sanum, Damar Wahyu Suwarno, Albert and Sabrina Adinda Sari (Universitas Telkom, Indonesia); Mahmud Dwi Sulistiyo (Telkom University, Indonesia & Nagoya University, Japan)

Time Start	Code	Paper ID	Title	Authors
16.00	Z10.15	1571297544	Feature Selection Analysis for Wild Monkey Detection Using a Modified Convolutional Neural Network	Nur Suhailayani Suhaimi (Universiti Teknologi Mara, Malaysia); Muhamad Harith Khalid Walit and Nor Afirdaus Zainal Abidin (Universiti Teknologi MARA, Malaysia)
16.15	Z10.16	1571298791	Improvement of the YOWOV3 Model for Better Human Action Recognition Performance	Lucki Ferbiansah (Binus University, Indonesia); Gede Putra Kusuma (Bina Nusantara University, Indonesia)
16.30	Z10.17	1571306404	Explainable AI in Network Intrusion Detection Systems: A Brief Literature Review	Vito Anargya (Universitas Islam Indonesia, Indonesia); Fayruz Rahma (Institut Teknologi Sepuluh Nopember, Indonesia); Arrie Kurniawardhani (Universitas Islam Indonesia, Indonesia)
16.45	Z10.18	1571308807	Adaptive Artificial Intelligence Learning Platform With Dynamic Roadmaps: An Architectural Proof of-Concept	Antonio Sulistio (Bina Nusantara University, Indonesia); Rita Layona (Bina Nusantara, Indonesia)

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Time Start	Code	Paper ID	Title	Authors
12.30	Z11.1	1571300838	ID-ESD: A Unified Emotion-Strategy-Response Framework for Indonesian Emotional Support Dialogue Generation	Adhitia Erfina (Vietnam National University Hanoi, Vietnam); Oanh Tran (International School, Vietnam National University, Hanoi, Vietnam); Le-Hong Phuong (Vietnam National University, Vietnam)
12.45	Z11.2	1571304540	Confidence-Aware Aspect Sentiment Integration for Robust Recommendation: An Empirical Study on ABSA Quality Impact	Imam Fahrur Rozi, Triyanna Widiyaningtyas, Suastika Yulia Riska and Sri Farida Utami (Universitas Negeri Malang, Indonesia); Afrig Aminuddin (Universitas Amikom Yogyakarta, Indonesia)
13.00	Z11.3	1571305189	SHAP-Guided Feature Selection for Ischemic Stroke Detection from Multi-Source mRNA Expression: Toward Explainable Clinical Decision Support	Aulia Aushaf Abidah and Koredianto Usman (Telkom University, Indonesia)
13.15	Z11.4	1571305526	Deep Learning for Skin Disease Detection Across Skin Tones: A Systematic Review	Nayla Raissa Azzahra, Aisha Ayya Ratiandari, Aisyah Rahmasari and Rizka Wakhidatus Sholikah (Institut Teknologi Sepuluh Nopember, Indonesia)
13.30	Z11.5	1571307097	PAIoU: A Position- and Appearance-Aware IoU Loss for Small Crack Detection in UAV-Based Pavement Inspection	Aseel Flehan (Universitas Hasanuddin, Indonesia); Indrabayu (Hasanuddin University, Indonesia)
13.45	Z11.6	1571307700	Metadata-Centric Self-Optimizing ETL Pipeline with ML-Based Workload Forecasting	Gopichand Talluri (Annslo Tech Inc, USA)
14.00	Z11.7	1571335966	Empowering Pediatric Diabetes Management Through a Bilingual Mobile Health Platform	Saadeh Sweidan and Khalid A. Darabkh (The University of Jordan, Jordan); Petunia E Sweiti (The university of Jordan, Jordan)
14.15	Z11.8	1571335957	An Android Application for Children with Dyslexia and Dyscalculia	Saadeh Sweidan and Khalid A. Darabkh (The University of Jordan, Jordan); Dareen Hamdan, Raghad Shkukani and Raghad Alzaatreh (University of Jordan, Jordan)
14.30	Z11.9	1571304285	Implementation of Explainable Machine Learning for Fraudulent Online Job Advertisement Detection Using XGBoost and SHAP	Fiona Siregar and Erna Hikmawati (Telkom University, Indonesia)

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14.45	Z11.10	1571307866	Agentic AI for Complex Task Execution: A Systematic Review of LLM-Based Agentic AI Architectures	Furqon Aryadana (Institut Teknologi Sepuluh Nopember); Kevin Anugerah Faza, RM. Novian Malcolm Bayuputra and Rizka Wakhidatus Sholikah (Institut Teknologi Sepuluh Nopember, Indonesia)
15.00	Z11.11	1571305459	SwinEffiXNet: A Hybrid Swin Transformer and EfficientNet-B0 Framework with Multi-Scale Cross-Attention Fusion for Multi-Class Alzheimer's Disease Staging via Structural MRI	Yudi Eko Windarto (Universitas Diponegoro, Indonesia); Kuntoro Adi Nugroho and Justin Advani (Diponegoro University, Indonesia)
15.15	Z11.12	1571304584	Assessing QRIS Adoption Efficiency In Indonesia Through Clustering Analysis	Jenibelle Wieven (BINUS University, Indonesia); Fernando Farrell (Binus University, Indonesia); Syarifah Diana Permai (Bina Nusantara University, Indonesia & Universitas Bina Nusantara, Indonesia)
15.30	Z11.13	1571308694	Autonomous AI-Driven Engineering of BERT Fine-Tuning for Indonesian Cyberbullying Detection	Mukhlis Amien, Chaulina Alfianti Oktavia and Gunawan Adi Wijaya (Universitas Bhinneka Nusantara, Indonesia)
15.45	Z11.14	1571308506	A Dual-IMU Sensor Fusion Framework Utilizing Change Point Detection and LSTM Networks for Robust Fall Detection in Smart Canes	Hasan Al Banna, Ig. Prasetya Dwi Wibawa, Meta Kallista, Muhammad Rais Asy Syauqi, Marcellinus Geofani Sihalo and Burhanuddin Dirgantoro (Telkom University, Indonesia)
16.00	Z11.15	1571308508	Hybrid Morphological and Gray Level Co-occurrence Matrix Feature-Based In-Ovo Sexing for ISA Brown Layer Eggs Using LightGBM	Muhammad Naufal Firdaus, Meta Kallista and Ig. Prasetya Dwi Wibawa (Telkom University, Indonesia); Fitra Aji Pamungkas (Badan Riset dan Inovasi Nasional, Indonesia); Zarvin Heruwin and Alfikri (Universitas Telkom, Indonesia)
16.15	Z11.16	1571308848	Determinants of Social Media Platform Preference: A Random Forest Feature Importance Analysis	Sultan Raissa Raissa Firjatullah (Telkom University, Indonesia & Telkom, Indonesia); A. P. Sujana, Ady Purna Kurniawan, Desy Puspa Rahayu, Ismail and Agus Pratondo (Telkom University, Indonesia)

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16.30	Z11.17	1571304438	H-Infinity Control for Enhancing High-Gain Single-Switch Quadratic Semi-SEPIC Converter Performance	Yohanes Leonaldo Sinaga, Muhammad Arya Adriansyah and Rizky Ajie Aprilianto (Universitas Negeri Semarang, Indonesia); Adinda Ihsani Putri (Universitas Prasetya Mulya, Indonesia); Tole Sutikno (Universitas Ahmad Dahlan, Indonesia); Tri Wahono (Ahmad Dahlan University, Indonesia)
16.45	Z11.18	1571304945	Taguchi-Based Optimization of Rotor Geometry and Magnet Dimensions for Cogging Torque Reduction in Double Stator Permanent Magnet Machines	Suhairi Rizuan Che Ahmad (Universiti Kuala Lumpur, Malaysia); Fithri Muliawati (Universiti Kuala Lumpur British Malaysian Institute, Malaysia & Ibn Khaldun University, Indonesia); Tajuddin Nur (Atma Jaya Catholic University of Indonesia, Indonesia); Joki Irawan (Universitas Ibn Khaldun Bogor, Indonesia); Raja Nor Firdaus Kashfi Raja Othman (Universiti Teknikal Malaysia Melaka & Universiti of Putra Malaysia, Malaysia); Fahteem Hamamy Anuwar (University Kuala Lumpur, Malaysia)

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12.30	Z12.1	1571313305	UrbanCPS: A Federated Digital-Twin Framework for AI-Driven Cyber-Physical Smart City Systems	Tianrong Ding (Tsinghua University, China & ITU, Switzerland)
12.45	Z12.2	1571308218	Comparative Analysis of Conventional UPS and BESS System Design for Emergency Power Supply in Healthcare Facilities	Dimas Waluyo Jati and Mochammad Facta (Diponegoro University, Indonesia); Susatyo Handoko and Trias Andromeda (Universitas Diponegoro, Indonesia); Karnoto (Diponegoro University, Indonesia); Nur Hidayat Arief (Politeknik Negeri Semarang, Indonesia)
13.00	Z12.3	1571308896	Accuracy and Stability Analysis of Fourier-Based Displacement Power Factor Estimation Under Varying Sampling Rates	Mohammad Miqdad Abdul Aziz (Universiti Kuala Lumpur British Malaysian Institute, Malaysia)
13.15	Z12.4	1571308737	Toward an Emotion-Aware Student Support System: A Conceptual Architecture Integrating Retrieval-Augmented Generation and Large Language Models	Latius Hermawan (Universitas Katolik Musi Charitas, Indonesia); Maria Bellanier Ismiati (National Cheng Kung University, Taiwan); Klaudius Jevanda BS and Wawan Nurmansyah (Universitas Katolik Musi Charitas, Indonesia)
13.30	Z12.5	1571308961	Intelligent Municipal Solid Waste Forecasting Systems: A Systematic Review, Bibliometric Mapping, and Taxonomy	Dwi Ismiyana Putri (Universitas Diponegoro & Bina Insani University, Indonesia); Heri Sutanto (Universitas Diponegoro, Indonesia); Budi Warsito (Information System School of Postgraduate Diponegoro University, Indonesia)
13.45	Z12.6	1571298878	A Hybrid Forecasting Model Based on SARIMA and Prophet for Fashion Retail Sales Prediction	Asmara Andhini, Nurmalitasari and Ratna Puspita Indah (Universitas Duta Bangsa Surakarta, Indonesia)
14.00	Z12.7	1571299376	Ethical Boundaries in the Age of AI: Balancing Innovation and Privacy Protection	Almira Farahiyah Shafiq Rana and Abyan Ali Kartasasmita (Binus University International, Indonesia); Edward Liandi (Binus International, Indonesia); Nunung Nurul Nurul Qomariyah (Bina Nusantara University Jakarta, Indonesia); Feri Setiawan (BINUS University, Indonesia)
14.15	Z12.8	1571309101	AI-based Wave-Powered Structural Health Monitoring for Marine Infrastructure	Marwa Fakhraoui, Salaheddine Boumazough, Nada Azouaou and Yassine Salih-Alj (Al Akhawayn University, Morocco)

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14.30	Z12.9	1571309145	An Intelligent Data-Driven Approach for Pharmaceutical Inventory Demand Forecasting Using Random Forest Regression	Kyla Aprilia Laksmana, Fandi Achmad and Isnaeni Yuli Arini (Telkom University, Indonesia)
14.45	Z12.10	1571309168	Comparative Analysis in PLS-SEM: Evaluating Reproducibility and Estimation Accuracy of ChatGPT and Claude Using SmartPLS as Benchmark	Angel Vallerine Liu (BINUS University, Indonesia); Gabrielle Ruth Christinita (BINUS University); Jesslyn Calista Florencia (BINUS University, Indonesia); Yohannes Kurniawan (Bina Nusantara University, Indonesia)
15.00	Z12.11	1571309210	Graph Neural Network-Based Fraud Detection in Financial Transaction Networks	Aisyah Putri Nuraini and Erna Hikmawati (Telkom University, Indonesia)
15.15	Z12.12	1571309471	Understanding Indonesian Public Perception Toward Conventional, Hybrid, and Electric Vehicles Using YouTube-Based Sentiment and Topic Analysis	Rickardo Satrio (Universitas Telkom, Indonesia); Erna Hikmawati and Cahyana (Telkom University, Indonesia)
15.30	Z12.13	1571309523	A Systematic Review on the Impact of Language Switching in Keystroke Dynamics Authentication	Sulaiman Mahzan (Universiti Teknologi MARA Melaka, Malaysia); Azizul Azhar Ramli and Mohd Farhan Md. Fudzee (Universiti Tun Hussein Onn Malaysia, Malaysia); Siti Fairuz Nurr Sadikan (Universiti Teknologi MARA, Malaysia)
15.45	Z12.14	1571310752	End-to-End Architecture for Real-Time Legal Document Understanding Using Large Language Models in Financial Systems	Gopichand Talluri (Annslo Tech Inc, USA)
16.00	Z12.15	1571311135	Development of an Integrated AI Chatbot Module in a Customer Relationship Management System to Support Customer Interaction Automation	Stevebryan Jonathan Imanuel and Ikrar Adinata Arin (Bina Nusantara University, Indonesia)
16.15	Z12.16	1571312329	An Explainable AI Framework for Data Breach Analysis in Higher Education Environments	Sigit Gunanto (Universitas Sriwijaya, Indonesia); Deris Stiawan (University of Sriwijaya, Indonesia); Dian Palupi Rini (Universitas Sriwijaya, Indonesia); Ahmad M. Khasawneh (Philadelphia University, Jordan); Farkhana Muchtar (Universiti Teknologi Malaysia, Malaysia); Rahmat Budiarto (Al Baha University, Saudi Arabia)

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12.30	Z13.1	1571297928	Deep Learning-Based Microplastic Detection in Seawater Images Using YOLOv11 and Web Deployment	Andi Riansyah (Universitas Islam Sultan Agung, Indonesia & Universitas Diponegoro, Indonesia); Hawa Parida Nurlita (Universitas Islam Sultan Agung, Indonesia); Sapto Utomo (Universitas BPD, Indonesia); Ashraf Osman Ibrahim (Universiti Teknologi PETRONAS); Dedy Kurniadi (Universitas Islam Sultan Agung, Indonesia)
12.45	Z13.2	1571313174	Human Readiness and Digital Entrepreneurship for AI-IoT-Driven Smart SME Performance	Gromyko Bongso (Bina Nusantara University, Indonesia); Christian Lim (Universitas Bina Nusantara, Indonesia); Nicholas Salim (Binus University, Indonesia); Vera Dumonda Silitonga (Sekolah Tinggi Hukum Militer (STHM), Indonesia); Shafira Suryawardani and Hansen (Binus University, Indonesia)
13.00	Z13.3	1571313516	Comparative Analysis of XGBoost and Random Forest for Multi-Item Demand Forecasting Using Exogenous Variables on a High-Volatility Demand Dataset	Areta Triani Putri and Rudi Nurdiansyah (Universitas Negeri Malang, Indonesia)
13.15	Z13.4	1571313626	Ethereum Price Prediction Using Macro Economic Indicator with Machine Learning and Deep Learning	Jason Nathanael Rusli and Brian Christopher Ongowarsito (Binus University, Indonesia); Adam Fahsyah Nurzaman (Bina Nusantara University, Indonesia)
13.30	Z13.5	1571313629	Performance Evaluation of YOLOv12 Variants for Trash Detection in Mountain Hiking Trail Environments	Muhammad Khozy Abdurrahman (Telkom University, Indonesia); Gilbert Halomoan Lumbantoruan, Syahdan Rizqi Ruhendy, Sabrina Adinda Sari and Faidhil Nugrah Ramadhan Ahmad (Universitas Telkom, Indonesia)
13.45	Z13.6	1571316407	A Multi-Branch BERT for Fake News Detection with Justification and Credibility	Varshini Jammula (Manipal Academy of Higher Education (MAHE), India); Sumith N (Manipal Institute of Technology, MAHE, India); Ashwath Rao B (Manipal Institute of Technology, India)
14.00	Z13.7	1571317207	Bridging Intelligent Systems and SME Performance: The Mediating Role of Digital Entrepreneurial Self-Efficacy	Shafira Suryawardani, Hansen, Nicholas Salim and Muhamad Arief Erdavit (Binus University, Indonesia)

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14.15	Z13.8	1571301183	Thunderstorm-Based Energy Management for CHAdeMO Vehicle-to-Grid Integration in 20 kV Distribution Networks	Samsurizal (Institut Teknologi PLN, Indonesia & Universitas Negeri Malang, Indonesia); Tiara Ramadhanti Puspo (Institut Teknologi PLN, Indonesia); AN Afandi (Universitas Negeri Malang, Indonesia & Kumamoto University, Japan)
14.30	Z13.9	1571310197	Edge AI for Automated Diabetic Foot Ulcer Detection	Oleh Soleh (Raharja University, Indonesia); Hendry Hendry (Chaoyang University of Technology & Satya Wacana Christian University, Taiwan); Irwan Sembiring (Universitas Kristen Satya Wacana Salatiga, Indonesia); Janu Ilham Saputro, Rosdiana and Eduard Hotman Purba (Raharja University, Indonesia)
14.45	Z13.10	1571280335	Metasurface Lens-Based Performance Enhancement of UWB Antipodal Vivaldi Antennas	Subuh Pramono, Sutrisno Ibrahim, Joko Hariyono, Muhammad Hamka Ibrahim, Meiyanto Eko Sulisty and Faisal Rahutomo (Universitas Sebelas Maret, Indonesia)
15.00	Z13.11	1571303118	Feasibility Analysis of Neutral Host-Based Optical Network Infrastructure in Greater Bandung	Averrous Cendikia Islami and Nachwan Mufti Adriansyah (Universitas Telkom, Indonesia); Ashwin Sasongko Sastrosubroto (Telkom University, Indonesia)
15.15	Z13.12	1571303138	A Scalable Corporate-Fed Wideband Antenna Array With Sub-GHz Extension for RF Energy Harvesting	Mahmoud Kakouri (University of Wollongong in Dubai, United Arab Emirates & University of Wollongong, Australia); Obada Al-Khatib (University of Wollongong in Dubai, United Arab Emirates); Faisel EM Tubbal (University of Wollongong, Australia & The Libyan Center for Remote Sensing and Space Science, Libya); Raad Raad and Wajid Ali Khan (University of Wollongong, Australia)
15.30	Z13.13	1571313017	A LightGBM-Based Detection and Proactive Eviction Scheme for Mitigating Cache Pollution Attacks in Named Data Networking	Rafi Andhika Putra Pratama, Leanna Vidya Yovita and Tody Ariefianto Wibowo (Telkom University, Indonesia)
15.45	Z13.14	1571316333	Elbow-Based Cluster Optimization for Household Electricity Customer Segmentation Using K-Means Clustering	Dine Tiara Kusuma, Yozika Arvio and Karina Djunaidi (Institut Teknologi PLN, Indonesia)

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16.00	Z13.15	1571304237	Machine Learning Models Performance on Multi-Protocol IoT DDoS Detection	Tasmi (Universitas Indo Global Mandiri, Indonesia); Fery Antony (University of Indo Global Mandiri, Indonesia & Sriwijaya University, Indonesia); Herri Setiawan (Universitas Indo Global Mandiri, Indonesia); Ferdiansyah (Universitas Indo Global Mandiri & Universiti Teknologi Malaysia, Indonesia); Hastha Sunardi (Universitas Indo Global Mandiri, Indonesia)
16.15	Z13.16	1571335970	A Mobile Healthcare Management System for Patients with Parkinson's Disease and Healthcare Professionals	Saadeh Sweidan, Khalid A. Darabkh, Rania M Abu Khamsah, Mary M Said and Dena A Al Fayad (The University of Jordan, Jordan)
16.30	Z13.17	1571335972	A Bilingual Android Application for Managing Depression in Arabic Countries	Saadeh Sweidan and Khalid A. Darabkh (The University of Jordan, Jordan); Rama F. Aljounide (University of Jordan, Jordan)