

4th IC2IE 2021 PARALLEL SESSION SCHEDULE

Room A: Artificial Intelligence & Biomedical Engineering-1

No	Time	Paper ID	Authors	Title
1	10:15-10:30	1570738538	Abitya Bagaskara; Muhammad Suryanegara	Evaluation of VGG-16 and VGG-19 Deep Learning Architecture for Classifying Dementia People
2	10:30-10:45	1570728185	Arif Ridho Lubis and Santi Prayudani; Al-Khowarizmi	Extraction in Detecting Tuberculosis X-Ray Results Using Histogram of Oriented Gradients
3	10:45-11:00	1570739655	Rahmad Kurniawan; Wirdatul Hasana; Benny Negara; Mohd Zakree Ahmad Nazri; Fitra Lestari; Iwan Iskandar	Prediction Model for Diagnosis of Pulpitis Diseases Using Learning Vector Quantization 3
4	11:00-11:15	1570728114	Christopher G. Estonilo; Enrique Festijo	Development of Deep Learning-Based Mobile Application for Predicting Diabetes Mellitus
5	11:15-11:30	1570728035	Radifa Hilya Paradisa and Alhadi Bustamam Andi Arus Victor and Anggun Rama Yudantha Devvi Sarwinda	Diabetic Retinopathy Detection using Deep Convolutional Neural Network with Visualization of Guided Grad-CAM
6	11:30-11:45	1570739325	Yuita Arum Sari; Sigit Adinugroho; Jaya Mahar Maligan; Ersya Nadia Candra; Fitri Utaminigrum; Nabila Nur'aini	Leftovers Food Recognition using Deep Neural Network and Regression Approach for Objective Visual Analysis Estimation
7	11:45-12:00	1570728074	Hana Dwi Khairunnisa; Esmeralda Contessa Djamal	Multiple Convolutional Neural Networks in EEG Emotion Recognition
SHOLAT BREAK				
8	13:00-13:15	1570738939	Muhammad Irfan Saputra; Irwan Budiman; Dwi Kartini; Dodon Turianto Nugrahadi	Performance Comparison Of Adaptive Neuro Fuzzy Inference System And Support Vector Machine Algorithm In Balanced And Unbalanced Multiclass Data Classification
9	13:15-13:30	1570739624	Danny Naufal Pratama	Classification Of Questions Based On Difficulty Levels Using Support Vector Machine and Naïve Bayes Algorithms For Imbalance Class
10	13:30-13:45	1570739431	Muhammad Raihan; Muhammad Suryanegara	Classification of COVID-19 Patients Using Deep Learning Architecture of InceptionV3 and ResNet50
11	13:45-14:00	1570742598	Dewi Nasien; Iis Afrianty; M. Hasmil Adiya; Nor Azizah Ali; Yusnita Rahayu	Determination of Sex and Race in Forensic Anthropology: A Comparison of Artificial Neural Network and Support Vector Machine
12	14:00-14:15	1570728160	Dimas Andhika Sury; Esmeralda Contessa Djamal	Brain-Computer Interface of Motor Imagery and Emotion Using Multiple Recurrent Neural Networks
13	14:15-14:30	1570748968	Muhammad Dendy Darna; Mohammad Reza Faisal; Juliyatin Putri Utami; Irwan	In Silico Prediction of Indonesian Herbs Compounds as Covid-19 Supportive Therapy Using Support Vector Machine

No	Time	Paper ID	Authors	Title
			Budiman; Rudy Herteno; Bahriddin Abapihi	
14	14:30- 14:45	1570727754	Fajariani Amalia; Esmeralda Contessa Djamal	Identification Post-Stroke of Motor Imagery and Asynchrony of Channel Pairs Using Multiple RNN
15	14:45- 15:00	1570750745	Fatma Indriani; Kunti Mahmudah; Kenji Satou	Effect of Various Data Preprocessing in Sequence Embedding-Based Machine Learning for Human-Virus PPI Classification

Room B: Artificial Intelligence & Biomedical Engineering-2

No	Time	Paper ID	Authors	Title
1	10:15-10:30	1570739925	Siti Sa'adah	Fuzzy Time Series Using Model Chen and Lee to Predict COVID-19 in Aceh Indonesia
2	10:30-10:45	1570727793	Rizki Purnama Sidik; Esmeralda Contessa Djamal	Face Mask Detection Using Convolutional Neural Network
3	10:45-11:00	1570742987	Christopher Nata; Laurence Laurence; Natalia Hartono; Lina Cahyadi	Implementation of Condition-based and Predictive-based Maintenance using Vibration Analysis
4	11:00-11:15	1570738999	Ega Dwi Lestari	The Implementation Of Unsupervised Learning Techniques As A Data Sharing Model In The Backpropogation For The Classification Of Student Graduation
5	11:15-11:30	1570738938	Mustakim Mustakim; Afrizal Nur; Muhammad Yasir; Zurriyata Fatni	The Comparison of Nearest Neighbor Algorithm as Modeling in Conclusion of Interpretation of Bil Ma'tsur and Bil Ra'yi
6	11:30-11:45	1570740920	Urbano B Patayon	Time Series Analysis of Infected COVID-19 cases in the Zamboanga Peninsula, Philippines using Long Short-Term Memory Neural Networks
7	11:45-12:00	1570739480	Afrizal Nur; Rahmad Kurniawan; Mohd Zakree Ahmad Nazri	Solution to Traveling Freelance Teacher Problem Using the Simple K-Means Clustering
SHOLAT BREAK				
8	13:00-13:15	1570728105	Rossian V Perea and Enrique Festijo	Analytics Platform for Morphometric Grow out and Production Condition of Mud Crabs of the Genus Scylla with K-Means
9	13:15-13:30	1570727736	Abdullah Azzam; Yudi Priyadi; Jati H. Husen	Similarity Software Requirement Specification (SRS) Elicitation Based on the Requirement Statement Using Text Mining on the MNC Play Inventory Management Application
10	13:30-13:45	1570743117	Nana Mulyana Maghfur; Muhammad Okky Ibrohim; Junaedi Fahmi; Satria Achmad Putera; Oskar Riandi	Text Normalization for Indonesian Text-to-Speech (TTS) using Rule-Based Approach: A Dataset and Preliminary Study
11	13:45-14:00	1570742713	Rani Gusti Angesti; Amelia Kurniawati; Hilman Dwi Anggana	Prediction of the Telkom University's Undergraduates Waiting Period for Getting a Job Using the CART Algorithm
12	14:00-14:15	1570744091	Muhammad Syafiq Ahnaf; Amelia Kurniawati; Hilman Dwi Anggana	Forecasting Pet Food Item Stock Using ARIMA and LSTM
13	14:15-14:30	1570749418	Hata Maulana	Implementation Of The Triple Exponential Smoothing (TES) Method For Forecasting The Number Of Dengue Patients Web-Based

No	Time	Paper ID	Authors	Title
14	14:30-14:45	1570758404	Hasna Fadhilah Hasya	Real Time-based Skin Cancer Detection System using Convolutional Neural Network and YOLO
15	14:45-15:00	1570758746	Alya Zulfia Amaranggana	Air Pressure Control on Ventilator using Fuzzy Logic Method

Room C: Information System and Software Engineering-1

No	Time	Paper ID	Authors	Title
1	10:15-10:30	1570743723	Thary Dwi Putri; Putu Wuri Handayani	E-learning User Acceptance on Employee Training using E-learning on Organization in Indonesia
2	10:30-10:45	1570743509	Iklima Ermis; Rizki Elisa Nalawati	System Usability Scale and Net Promoter Score on Donation Application of Toddlers Equipment
3	10:45-11:00	1570744035	Wahyu Nur Hidayat; Muchammad Ryan Pratama; Hanif Samsu Angga Risky; Rokhimatul Wakhidah	VIRKOM as Augmented Reality Application for Visualization of Computer Maintenance Learning Material
4	11:00-11:15	1570744093	Lamia Muhammed	Educational Data Mining: Analyzing Teacher behavior based Student's Performance
5	11:15-11:30	1570728069	Dessy Maranatha Sihombing; Yudi Priyadi; Rosa Reska Riskiana	Quality Improvement Recommendations of SMAN 5 Bandar Lampung Website Using Collaboration of ISO/IEC 25010:2011 and Importance Performance Analysis
6	11:30-11:45	1570732505	Mercurius Broto Legowo; Budi Indiarso; Deden Prayitno	Digitalization for Business Model Innovation: Create, Change, and Improve for Values
7	11:45-12:00	1570739443	Agus Anang; Yudho Sucahyo	The Design Of Information Security Risk Management: A Case Study Human Resources Information System In XYZ University
SHOLAT BREAK				
8	13:00-13:15	1570740832	Anderes Gui; Idris So; Hasnah Haron; Nurul Jamil; Synthia Sari; Eddy Eddy	Indonesian Firms Information and Communication Technology Usage during Covid-19 Pandemic
9	13:15-13:30	1570741839	Erisvaha Kiki; Prasetyo Adi Wibowo Putro; Dana Indra Sensuse; Ryan Randy Suryono; Kautsarina Kautsarina	The Architecture for Rice Stock Information System in Indonesia
10	13:30-13:45	1570743596	Arina Ashfa Fikriya; Sri Suning Kusumawardani; Indriana Hidayah	Critical Success Factor on E-Learning: Case Study Ruangguru Indonesia
11	13:45-14:00	1570734789	Wiwini Suwarningsih; Raka Aditya Pratama; Fadhil Yusuf Rahadika; Mochamad Havid Albar Purnomo	Self-Attention Mechanism of RoBERTa to Improve QAS for e-health Education
12	14:00-14:15	1570728158	Puri Lestari	Exploring the Influence Factor of Social Media adoption to Firm Performance: A Systematic Literature Review
13	14:15-14:30	1570737899	Fitri Rachmawati; Bobby Suryajaya; Bob Hardian	Impact of Changing Scope and Customer Involvement to Perceived Benefit
14	14:30-14:45	1570713727	Sepdiyanto Sepdiyanto; Dana I. Sensuse; Nadya Safitri; Damayanti Elisabeth; Ikhsan Mirza	Analysis of Knowledge Management Readiness with an Embedded Method: A Case Study of an After-Sales Service Organisation in PT XYZ

No	Time	Paper ID	Authors	Title
			Harwanto; Charley Christerico Corputty	
15	14:45- 15:00	1570758980	Rizki Elisa Nalawati	Ratcliff/ Obershelp Algorithm as An Automatic Assessment on E-Learning

Room D: Intelligence System and Software Engineering-2

No	Time	Paper ID	Authors	Title
1	10:15-10:30	1570740858	Gusti Karmawan; Rachmat Prayoga Oktianto; Elvin Luis; Maria Gabby; Ernawaty Ernawaty; Anderes Gui	Online Transportation using Cloud Computing during Covid-19 in Indonesia
2	10:30-10:45	1570743278	Dwi Ely Kurniawan	Implementation and Analysis of The Etherchannel Technology Using PAgP and LACP Protocols on Cisco Switch Devices
3	10:45-11:00	1570739627	Annisa Syafarani Callista	Questions Classification Based on Revised Bloom's Taxonomy Cognitive Level Using Naive Bayes and Support Vector Machine
4	11:00-11:15	1570737158	Jamshaid Iqbal Janjua	Distributed Ledger Technology Based Immutable Authentication Credential System (D-IACS)
5	11:15-11:30	1570733997	Handri Santoso; Theresia Herlina; Ganis Samoedra	Development of Online-base exam security systems using ensemble method
6	11:30-11:45	1570739686	Intan Mutia; Imas Sukaesih Sitanggang; Annisa Annisa; Dewi Apri Astuti	Application of Spatial Data Warehouse for Agriculture: Challenge and Future Trends
7	11:45-12:00	1570728116	Rico S. Santos; Enrique Festijo	Generating Features of Windows Portable Executable Files for Static Analysis using Portable Executable Reader Module (PEFile)
SHOLAT BREAK				
8	13:00-13:15	1570754632	Irzal Ahmad Sabilla; Dwi Sunaryono; Muchammad Husni; Maulida Meirisdiana	Best Ratio Size of Image in Steganography using Portable Document Format with Evaluation RMSE, PSNR, and SSIM
9	13:15-13:30	1570742604	Indah Purnama Sari; Al-Khowarizmi Al-Khowarizmi; Ismail Hanif Batubara	Optimization of the FP-Growth Algorithm in Data mining Techniques to Get the Electric Power Theft Pattern for the Development of Smart City
10	13:30-13:45	1570750754	Wahyu Tri Hartono; Maya Rahayu; Puput Taufik	e-Control: Electronic Attendance Control System for Multi-Condition Class Using Microservices Architecture Development Methods
11	13:45-14:00	1570727485	Wihayati	Disturbance Storm Time Index Prediction using Long Short-Term Memory Machine Learning
12	14:00-14:15	1570748219	Khairisyah Yuliani Firlia; Mohammad Reza Faisal; Dwi Kartini; Radityo Adi Nugroho; Friska Abadi	Analysis of New Features on the Performance in Classification of Natural Disaster Messages
13	14:15-14:30	1570743858	Rifki Izdihar Oktavian, Pullah; Dodon Turianto Nugrahadi; Muhammad Mazdadi; Andi Farmadi; Ahmad Rusadi	Analysis of Software Defined Network (SDN) Using Opendaylight Controller with ANOVA Repeated Measures
14	14:30-14:45	1570750102	Eriya	CrowdFunding Application For Waqf Donation

Room E: Artificial Intelligence and Multimedia

No	Time	ID paper	Authors	Title
1	10:15-10:30	1570739399	Arya Sanjaya; Handri Santoso	Voicebot: Virtual Assistant Prototype for Property Sales
2	10:30-10:45	1570750066	Dewi Yanti Liliana; Iklima Ismail; Ayu Rosyida Zain	Emotion Intelligent Application for Independent Wellbeing Management using Certainty Factor
3	10:45-11:00	1570749597	Asrul Harun Ismail; Natalia Hartono; Sultan Zeybek; Hargyo Tri Nugroho	Enhancing Nearest Centroid with Coverage Principle for Classification Problem
4	11:00-11:15	1570742965	Yuslena Sari; Andreyan Rizky Baskara; Khair Rahman; Puguh Prakoso	Counting the Number of Moving Vehicles by Its Type Based on Computer Vision
5	11:15-11:30	1570737586	Retno A Vinarti; Riris Rachmayanti; Raras Tyasnurita; Faizal Mahananto; Edwin Riksakomara	StrokIndo: An Expert System to Prevent Stroke for Indonesian
6	11:30-11:45	1570743882	Ijang Sidik; Yaddarabullah Yaddarabullah; Silvester Dian Handy Permana	Identification of Feed In Determining The Quality of Cow's Milk Using Forward Chaining
7	11:45-12:00	1570728001	Robert Steele	Performance Maintenance of Machine Learning-based Emergency Patient Mortality Predictive Models
SHOLAT BREAK				
8	13:00-13:15	1570737911	Eka Miranda; Mediana Aryuni; Charles Bernando; Andrian Hartanto	Application for Early Heart Disease Prediction Based on Data Mining Approach
9	13:15-13:30	1570743853	Faldza Arwy; Yaddarabullah; Silvester Dian Handy Permana	Clustering Ornamental Plants Turnover Data Using K-Means Algorithm
10	13:30-13:45	1570742017	Mochammad Rifky Gunawan; Esmeralda Contessa Djamal	Spatio-Temporal Approach Using CNN-RNN in Hand Gesture Recognition
11	13:45-14:00	1570742550	Pirjatullah Pirjatullah; Dwi Kartini; Dodon Turianto Nugrahadi; Muliadi Muliadi; Andi Farmadi	Hyperparameter Tuning Using GridsearchCV On The Comparison Of The Activation Function Of The ELM Method To The Classification Of Pneumonia In Toddlers
12	14:00-14:15	1570742555	Yuslena Sari; Mutia Maulida; Razak Maulana; Johan Wahyudi; Ahmad Shalludin	Detection Of Corn Leaves Nutrient Deficiency Using Support Vector Machine (SVM)
13	14:15-14:30	1570728182	Denden Raka Setiawan; Esmeralda Contessa Djamal; Fikri Nugraha	Hand Gesture Video Identification using Spatial and Temporal Convolutional Neural Networks
14	14:30-14:45	1570743738	Ledya Novamizanti	Medical Image Watermarking using Spread Spectrum and Compressive Sensing Techniques
15	14:45-15:00	1570761247	Teddy Mantoro	Deep Face Recognition for Imperfect Human Face Images on Social Media using the CNN Method

Room F: IoT and Networks

No	Time	ID paper	Authors	Title
1	10:15-10:30	1570739539	Lanny Agustine; Hartono Pranjoto; Andrew Febrian Miyata; William Chandra Sarwono	Raspberry Pi-based Decubitus Reducing Mattress with Air Pressure Monitoring System and Air Leaks Detector
2	10:30-10:45	1570742303	Indri Neforawati	Message Digest 5 (MD-5) Decryption Application Using Python-Based Dictionary Attack Technique
3	10:45-11:00	1570755089	Heru Nurwarsito; Sarah Ayu	Comparison Analysis of Acorn Algorithm and Snow Algorithm on Smart Card using Java Card
4	11:00-11:15	1570742700	Jose Armando Pratama; Ahmad Almaarif; Avon Budiono	Vulnerability Analysis of Wireless LAN Networks Using ISSAF WLAN Security Assessment Methodology: A Case Study of Restaurant in East Jakarta
5	11:15-11:30	1570740076	Muhammad Yusuf Bagus Rasyiidin	Wireless Network use RSSI (Received Signal Strength Indication) Mechanism for Smart Office
6	11:30-11:45	1570740451	Therdpong Daengsi; Pana Ungkap; Pongpisit Wuttidittachotti	5G Network Performance: A Study Using Stationary and Mobility Tests on Sukhumvit Line - BTS Skytrain in Bangkok
7	11:45-12:00	1570754812	Fahmi Fahmi; Aji P Wibawa; Muladi Muladi; Muhammad Ashar; Purnawansyah Purnawansyah	IPv6 vs IPv4 Performance Simulation and Analysis Using Dynamic Routing OSPF
SHOLAT BREAK				
8	13:00-13:15	1570750217	Siti Kholifah	e-Fungi: Using IoT to Monitor and Control The Growth of Fungi Causing Leather Goods Become Weathered
9	13:15-13:30	1570740443	Daffa Tsany Rahmantlyo; Bayu Erfianto; Gandeva Bayu Satrya	Deep Residual CNN for Preventing Botnet Attacks on The Internet of Things
10	13:30-13:45	1570749305	Yulianta Siregar	Analysis Reliability Of Distribution Network Interconnected With Distributed Generation
11	13:45-14:00	1570754494	Yulianta Siregar	Optimization Of Overcurrent Relay Coordination Using Artificial Bee Colony
12	14:00-14:15	1570754491	Yulianta Siregar	Coordination Optimization Of Directive Current Release Due To Added Electricity In The Distribution Network Using ANFIS
13	14:15-14:30	1570727997	Rokhmadi Rokhmadi; Aghus Sofwan; Maman Somantri	Smart School Framework with Single ID based on RFID Through NFC using FCM Notification
14	14:30-14:45	1570740495	Febrian Kurniawan; Niken Cahyani; Gandeva Bayu Satrya	Quantum Resistance Deep Learning based Drone Surveillance System
15	14:45-15:00	1570742948	Haolia Rahman; Abdul Abdillah; Asep Priana	Indoor CO2 Level-Based Occupancy Estimation at Low-Scale Occupant using Statistical Learning Method
16	15:00-15:15	1570739316	Isdawimah; Nuha Nadhirah; Damar Aji	Optimization of Stand Alone Solar Home System with Battery