

Session : Parallel Session 01
Location : Room I
Moderator : Dr. Eng. Teguh Hady Ariwibowo, S.T., M.T.
Date : Tuesday, August 9th 2022
Track : Power Engineering and Energy Technology
Topic : IES-ETA 1

No	Time	Paper ID	Paper Title	Authors
1	10.30 - 10.50	1570824284	Study of a hybrid system with various types of energy storage in Wetar Island	Ruly Sitanggang (PLN Research Institute, Indonesia)
2	10.50 - 11.10	1570817344	Optimization and Management of Residential Energy Load Using PSO and WOA	Abir Hasnaoui, Abdelhafid Omari and Zin-eddine Azzouz (USTO-MB, Algeria); Mohammed Bilal Danoune (Université Kasdi Merbah, Algeria); Nu Arini (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	11.10 - 11.30	1570817828	Multiple Degree of Freedom Vibrations User Interface Development	Mochammad Faqih (Universiti Teknologi PETRONAS, Malaysia); Nu Arini (Politeknik Elektronika Negeri Surabaya, Indonesia); Temitope Ibrahim Amosa and Abdulrahman Abdullah Omar Bahashwan (Universiti Teknologi Petronas, Malaysia)
4	11.30 - 11.50	1570818265	Experimental and Numerical Study of Plain and Perforated Twisted Tape Effect on the Double Pipe Heat Exchanger Performance	Arrad Ghani Safitra, Susi Puspitasari and Ririn Kusnul Khotimah (Politeknik Elektronika Negeri Surabaya, Indonesia); Setyo Nugroho (University of Adelaide, Australia)
5	11.50 - 12.10	1570818314	Constant Current Constant Voltage for Precise Lithium Ion Battery Charging	Feby Chandra Arsandi (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Moh. Zaenal Efendi (Politeknik Elektronika Negeri Surabaya, Indonesia); Farid Dwi Mudianto (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia)

Session : Parallel Session 01
Location : Room II
Moderator : Hendy Briantoro, SST., M.T., PhD
Date : Tuesday, August 9th 2022
Track : Power Engineering and Energy Technology
 Telecommunication Engineering Technology
Topic : IES-ETA 2

No	Time	Paper ID	Paper Title	Authors
1	10.30 - 10.50	1570812313	Fiber to the Home Design and Analysis for Urban Housing of Cluster Garuda	Adli A. Fattah, Muhammad Hafizh, Jonathan Christopher, Ida Diwy, Nicholas Chandra, Rachmah Attalia and Catur Apriono (Universitas Indonesia, Indonesia)
2	10.50 - 11.10	1570825488	Performance Study of Organic Rankine Cycle (ORC) Using Low-Temperature Waste Heat With Zeotropic Refrigerants	Habibatu Nihayah and Fara Nabilah Sakina (Politeknik Elektronika Negeri Surabaya, Indonesia); Teguh Hady Ariwibowo (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Arrad Ghani Safitra (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	11.10 - 11.30	1570818029	Performance of MIMO-OFDM System Based on Single RF using Linear Detection	I Gede Puja Astawa (Politeknik Elektronika Negeri Surabaya, Indonesia)
4	11.30 - 11.50	1570818531	High Speed Wireless Transmission System at 190-320 GHz Band	Muhammad Agus Zainuddin and Sritrusta Sukaridhoto (Politeknik Elektronika Negeri Surabaya, Indonesia)
5	11.50 - 12.10	1570822241	Energy Efficiency in D2D Cooperative Communication System UAV-Assisted for Energy Harvesting Process at Source and Relay	Annysa Aprilya, Meyra Chusna Mayarakaca, Hendy Briantoro and Yoedy Moegiharto (Politeknik Elektronika Negeri Surabaya, Indonesia); Arifin Arifin (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)

Session : Parallel Session 01
Location : Room III
Moderator : Dr.-Ing. Hestiasari Rante, S.T., M.Sc.
Date : Tuesday, August 9th 2022
Track : Telecommunication Engineering Technology
 Electronics Systems and Electric Technology
Topic : IES-ETA 3

No	Time	Paper ID	Paper Title	Authors
1	10.30 - 10.50	1570801349	Real Time Monitoring System of Drinking Water Quality using Internet of Things	Zainul Abidin (Universitas Brawijaya, Indonesia); Eka Maulana (Brawijaya University, Indonesia); Muhammad Yogi Nurrohman, Fitri Wardana and Warsito Warsito (Universitas Brawijaya, Indonesia)
2	10.50 - 11.10	1570826678	Information Loss of Secret Key from Improper Quantization Decision in Wireless Physical-Layer Security with False Channel Statistics Knowledge	Apirath Limmanee (King Mongkut's Institute of Technology Ladkrabang, Thailand)
3	11.10 - 11.30	1570826687	Implementation of Air Quality Monitoring for Traffic Routing	Rahajeng Rahmadhani, Mike Yuliana and Rahardhita Sudibyo (Politeknik Elektronika Negeri Surabaya, Indonesia)
4	11.30 - 11.50	1570826713	RAMI: Security System of Information Exchange Based on Shared Key Generation in Vehicle-to-Vehicle Communication	Muhamad Ramdhan Syaadillah (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Amang Sudarsono (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Mike Yuliana (Politeknik Elektronika Negeri Surabaya, Indonesia)
5	11.50 - 12.10	1570826673	Improvement of PSNR by Using Shannon-Fano Compression Technique in AES-LSB StegoCrypto	Wildan D Walidaniy (Bangkalan & PENS, Indonesia); Mike Yuliana and Hendy Briantoro (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 01
Location : Room IV
Moderator : Iwan Syarif, S.Kom., M.Kom., M.Sc., Ph.D.
Date : Tuesday, August 9th 2022
Track : Robotics Technology and Control Systems
Topic : IES-KCIC 1

No	Time	Paper ID	Paper Title	Authors
1	10.30 - 10.50	1570823722	UV-C Disinfection Robotic	Mohamed zied Chaari (Qatar University & Qatar, Qatar)
2	10.50 - 11.10	1570824212	Mechanical Design and Forward Kinematics Analysis of T-FLOW 3.0 Prosthetic Robot Hand: Lever-based Finger Movement Mechanism	Kevin Ilham Apriandy (Electronic Engineering Polytechnic Institute of Surabaya (EEPIS) & EEPIS Robotics Research Centre (ER2C), Indonesia); Bima Sena Bayu Dewantara (Politeknik Elektronika Negeri Surabaya, Indonesia); Raden Sanggar Dewanto (Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Dadet Pramadihanto (PENS, Indonesia)
3	11.10 - 11.30	1570824305	Automated Library System Mobile Robot using A-Star Algorithms	Heri Nur Alim and Niam Tamami (Politeknik Elektronika Negeri Surabaya, Indonesia); Ali Husein Alasiry (Politeknik Elektronika Negeri Surabaya & Electronics Engineering Polytechnic Institute of Surabaya, Indonesia)
4	11.30 - 11.50	1570824490	The Comparison of Image Enhancement Methods for A Realtime Under Water Vision System of The Break Water Implementation	Bayu Sandi Marta and Muhammad Amin Abdullah (Politeknik Elektronika Negeri Surabaya, Indonesia); Dewi Mutiara Sari (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Haryo Dwito Armono (Institut Teknologi Sepuluh Nopember, Indonesia)
5	11.50 - 12.10	1570826437	Implementation of Deep Learning on Obstacle Avoidance System PENSIP Ship Robot	Hendika Putra Madani, Iwan Kurnianto Wibowo and Mochamad Mobed Bachtiar (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 01
Location : Room V
Moderator : Dr. Idris Winarno, S.ST, M.Kom
Date : Tuesday, August 9th 2022
Track : Computational Intelligence
Topic : IES-KCIC 2

	Time	Paper ID	Paper Title	Authors
1	10.30 - 10.50	1570818374	Path Planning Based on Deep Reinforcement Learning Towards Human-Robot Collaboration	Rokhmat Febrianto, M Muhtadin and I Ketut Pumama (Institut Teknologi Sepuluh Nopember, Indonesia); Mauridhi Hery Purnomo (Institut of Technology Sepuluh Nopember, Indonesia)
2	10.50 - 11.10	1570815271	Improving Power Transformer Lifetime Prediction using Hyperparameter Optimization	Andro Aprila Adiputra (Electronic Engineering Polytechnics Institute of Surabaya, Indonesia); Tita Karlita (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Entin Martiana Kusumaningtyas (Politeknik Elektronika Negeri Surabaya(PENS)-Indonesia, Indonesia)
3	11.10 - 11.30	1570818178	SDGs India Index Analysis using SHAP	Entin Martiana Kusumaningtyas (Politeknik Elektronika Negeri Surabaya(PENS)-Indonesia, Indonesia); Alfian Haidar Setyawan (Electronic Engineering Polytechnics Institute of Surabaya, Indonesia); Ali Ridho Barakbah (Politeknik Elektronika Negeri Surabaya, Indonesia)
4	11.30 - 11.50	1570818566	Human Pose Estimation for Fitness Exercise Movement Correction	Atharian Rahmadani (Politeknik Elektronika Negeri Surabaya); Bima Sena Bayu Dewantara (Politeknik Elektronika Negeri Surabaya, Indonesia); Dewi Mutiara Sari (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)

	Time	Paper ID	Paper Title	Authors
5	11.50 - 12.10	1570818646	Topological based Environmental Reconstruction for Efficient Multi-Level Control of Robot Locomotion	Azhar Aulia Saputra and Wei Hong Chin (Tokyo Metropolitan University, Japan); Mohamad Yani (Universiti Teknologi Malaysia, Malaysia); Fernando Ardilla (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Adnan Besari (Tokyo Metropolitan University, Japan); Yuichiro Toda (Okayama University, Japan); Naoyuki Kubota (Tokyo Metropolitan University, Japan)

Session : Parallel Session 01
Location : Room VI
Moderator : Rahardhita Widyatra Sudibyoy, S.ST., MT., Ph.D.
Date : Tuesday, August 9th 2022
Track : Applied-Computing Sciences Intelligent
 Multimedia Systems
Topic : IES-KCIC 3

	Time	Paper ID	Paper Title	Authors
1	10.30 - 10.50	1570811562	Factors Influencing the Adaption of Online Pharmacy in Oman: Pilot Study	Abir AlSideiri (AlBuraimi College, Oman)
2	10.50 - 11.10	1570818279	Heatmap Visualization and Badminton Player Detection using Convolutional Neural Network	Muhammad Abdul Haq (Tokyo Metropolitan University, Japan); Shuhei Tarashima (NTT Communications Corporation, Japan); Norio Tagawa (Tokyo Metropolitan University, Japan)
3	11.10 - 11.30	1570821128	A Multilayered Analytical Visualization Method for assessing Forest-Urban-Disaster Resilience	Amane Hamano (University of Musashino, Japan); Shiori Sasaki (Musashino University, Japan)
4	11.30 - 11.50	1570824522	Personal Community-member Information Management System with Individual Face Recognition Function	Shiori Sasaki and Li Xing (Musashino University, Japan)
5	11.50 - 12.10	1570818583	Cross-cultural analysis of the American, German, and Japanese newspaper coverage on COVID-19	Yukiko Sato (Sophia University, Japan)

Session : Parallel Session 02
Location : Room I
Moderator : Dr. Eng. Teguh Hady Ariwibowo, S.T., M.T.
Date : Tuesday, August 9th 2022
Track : Power Engineering and Energy Technology
Topic : IES-ETA 1

No	Time	Paper ID	Paper Title	Authors
1	14.00 - 14.20	1570821148	Analysis Comparison Of Linear Interpolation And Quadric Interpolation Methods For Forecasting A Growth Total Of Electricity Customers In Kotawaringin West Regency At 2022-2025 Years	Sujito Sujito (State University of Malang, Indonesia); Langlang Gumilar, Ridho Riski Hadi and Mohamad Rodhi Faiz (Universitas Negeri Malang, Indonesia); Syafriyudin Syafriyudin (IST AKPRIND, Indonesia); Zory Satrio Nugroho (Universitas Negeri Malang, Indonesia)
2	14.20 - 14.40	1570822139	A Novel Power Switching Control Method of the Wind Power MPPT System Based on the Switching System Theory	Xin Guo, Weipeng Li, Yuan Pan and Jun Liu (Xi'an University of Technology, China)
3	14.40 - 15.00	1570818288	Design Hotwell Condenser Level Control System Using Feedback-Feedforward Control Strategy With Tuning Direct Synthesis	Mohammad Hasan Fadlullah Fadlullah, Erik Tridianto and Joke Pratilastiarso (Politeknik Elektronika Negeri Surabaya, Indonesia)
4	15.00 - 15.20	1570818356	Numerical Analysis On The Effect of Jet Impingement Ratio in Double Trapezoidal Absorber Plate Solar Air Heater	Faris Hanuntiarso, Lohdy Diana, Radina Anggun Nurisma and Arrad Ghani Safitra (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 02
Location : Room II
Moderator : Rahardhita Widyatra Sudiby, S.ST., MT., Ph.D.
Date : Tuesday, August 9th 2022
Track : Telecommunication Engineering Technology
Topic : IES-ETA 2

No	Time	Paper ID	Paper Title	Authors
1	14.00 - 14.20	1570822546	Pseudonymous Identities Generated from RSS-Based Secret Key Generation in A Join Protocol Process	Amang Sudarsono (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Mike Yuliana (Politeknik Elektronika Negeri Surabaya, Indonesia)
2	14.20 - 14.40	1570822621	The implementation of Optimal K-Means Clustering for Indoor Moving Object Localization	Syafira Salsabila (Politeknik Elektronika Negeri Surabaya, Indonesia); Prima Kristalina (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Tri Budi Santoso (Electronic Engineering Polytechnic of Surabaya (EEPIS), Indonesia)
3	14.40 - 15.00	1570823284	Energy Efficiency of The Cooperative Communication Systems With Energy Harvested at Source and Relay Using Battery Power at Relay	Ines Sastre Umayya, Annysa Aprilya, Meyra Chusna Mayarakaca, Muhamad Milchan, Yoedy Moegiharto and Hendy Briantoro (Politeknik Elektronika Negeri Surabaya, Indonesia)
4	15.00 - 15.20	1570823409	Realtime Weather Prediction System Using GRU with Daily Surface Observation Data from IoT Sensors	Hendri Darmawan (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Mike Yuliana and Mochammad Zen Samsono Hadi (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 02
Location : Room III
Moderator : Dr. Agus Indra, S.T., M.Sc.
Date : Tuesday, August 9th 2022
Track : Electronics Systems and Electrics Technology
Topic : IES-ETA 3

No	Time	Paper ID	Paper Title	Authors
1	14.00 - 14.20	1570805052	Air Purification System for Air Quality Monitoring In-Vehicle	John Patric A Sasis, Kyle Vonmar Agullo and Julius Sese (Mapua University, Philippines)
2	14.20 - 14.40	1570822924	Congestion Monitoring System Using Infrared Sensor	Taiki Kimura and Thatsanee Charoenporn (Musashino University, Japan); Virach Sornlertlamvanich (Musashino University, Japan & Thammasat University, Thailand)
3	14.40 - 15.00	1570822666	Numerical simulation of thermal performance of porous metal heatsink for cooling the CPU	Upasana Panigrahi (Bhubaneswar Engineering College, India); Subhasini Muduli (Bhubaneswar Engineering College, Australia)
4	15.00 - 15.20	1570818156	Controlling 3D Model of Human Hand Exploiting Synergistic Activation of The Upper Limb Muscles	Firman Isma Serdana (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)

Session : Parallel Session 02
Location : Room IV
Moderator : Dr. Eng. Indra Adji Sulistijono, S.T., M.Eng
Date : Tuesday, August 9th 2022
Track : Robotics Technology and Control Systems
 Knowledge Base and Engineering
Topic : IES-KCIC 1

No	Time	Paper ID	Paper Title	Authors
1	14.00 - 14.20	1570826731	Estimation of Ball Position Using Depth Camera for Middle Size Goalkeeper Robot	Dekasari Putri Suwandi, Iwan Kurnianto Wibowo and Mochamad Mobed Bachtiar (Politeknik Elektronika Negeri Surabaya, Indonesia)
2	14.20 - 14.40	1570810997	Movies Analysis on DBpedia and Wikidata Using Community Detection and Centrality Algorithms	Tri Puspa Rinjeni, Sri Suci Indasari and Ade Indriawan (Institut Teknologi Sepuluh Nopember, Indonesia); Nur Aini Rakhmawati (Institut Teknologi Sepuluh Nopember Surabaya, Indonesia)
3	14.40 - 15.00	1570814775	Semantic Software Traceability Using Property Listing Task: Pilot Study	Adhatus Solichah Ahmadiyah and Siti Rochimah (Institut Teknologi Sepuluh Nopember, Indonesia); Daniel Siahaan (Institut teknologi Sepuluh Nopember, Indonesia)
4	15.00 - 15.20	1570815357	RIP and OSPF Routing Protocol Analysis on Defined Network Software	Arief Agus Sukmandhani (Binus Online Learning, Bina Nusantara University, Indonesia); Muhammad Aulia (Binus Online Learning, Bina Nusantara University, Jakarta, Indonesia); Jenny Ohliati (Binus Online Learning, Bina Nusantara University, Indonesia)

Session : Parallel Session 02
Location : Room V
Moderator : Dr. Tita Karlita, S.Kom., M.Kom., M.Sc., Ph.D.
Date : Tuesday, August 9th 2022
Track : Computational Intelligence
Topic : IES-KCIC 2

No	Time	Paper ID	Paper Title	Authors
1	14.00 - 14.20	1570824649	Hand Gesture Recognition Based on Keypoint Vector	Heru Arwoko (Universitas Surabaya, Indonesia)
2	14.20 - 14.40	1570823089	Implementation of Face Recognition Using Discrete Cosine Transform on Convolutional Neural Networks	Ari Setiawan, Riyanto Sigit and Rika Rokhana (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	14.40 - 15.00	1570824507	Audio Based Action Recognition for Monitoring Elderly Dementia Patients	Dwi Kurnia Basuki (Tokyo Metropolitan University, Indonesia & Politeknik Elektronika Negeri Surabaya, Indonesia); Rizky Zull Fhamy, Mahaputra Ilham Awal, Luqmanul Hakim Iksan and Sritrusta Sukaridhoto (Politeknik Elektronika Negeri Surabaya, Indonesia); Kazuyoshi Wada (Tokyo Metropolitan University, Japan)
4	15.00 - 15.20	1570822394	Voice Recognition System for Home Security Keys with Mel-Frequency Cepstral Coefficient Method and Backpropagation Artificial Neural Network	Ziyadatus Shofiyah and Haniah Mahmudah (Politeknik Elektronika Negeri Surabaya, Indonesia); Tri Budi Santoso (Electronic Engineering Polytechnic of Surabaya (EEPIS), Indonesia); Okkie Puspitorini and Ari Wijayanti (Politeknik Elektronika Negeri Surabaya, Indonesia); Nur Siswandari (EEPIS, Indonesia)

Session : Parallel Session 02
Location : Room VI
Moderator : Dr. Muhammad Agus Zainuddin, S.T., M.T.
Date : Tuesday, August 9th 2022
Track : Applied-Computing Sciences
Topic : IES-KCIC 3

No	Time	Paper ID	Paper Title	Authors
1	14.00 - 14.20	1570811627	Decision Tree and Fuzzy Logic in The Audit of Information System for Tax Letter Issuance	Ratih Nur Esti Anggraini (Intelligent Systems Lab, University of Bristol, United Kingdom (Great Britain) & Institut Teknologi Sepuluh Nopember, Indonesia); Riyanarto Sarno (Institut Teknologi Sepuluh Nopember, Indonesia); Irfanur Febriansyah (Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia)
2	14.20 - 14.40	1570824722	Flood Vulnerability Mapping in Lamongan District, Indonesia, using Fuzzy Analytical Hierarchy Process - Natural Breaks	Arna Fariza, Firyal Zahwa Salsabila and Arif Basofi (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	14.40 - 15.00	1570826722	Design of Corrugated Road Detection System using LoRa Communication	Muhammad Dicky Athalla and Mochammad Zen Samsono Hadi (Politeknik Elektronika Negeri Surabaya, Indonesia); Aries Pratiarso (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Izzuddin Ahmad Afif (Politeknik Elektronika Negeri Surabaya, Indonesia)
4	15.00 - 15.20	1570825254	Hydrometeorological Disaster Vulnerability Mapping in East Java Using Hierarchical Clustering	Belinda Anindya Kusuma Wardhani, Arna Fariza and Ira Prasetyaningrum (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 03
Location : Room I
Moderator : Dr. Sony Junianto, ST.
Date : Tuesday, August 9th 2022
Track : Power Engineering and Energy Technology
Topic : IES-ETA 1

No	Time	Paper ID	Paper Title	Authors
1	15.50 - 16.10	1570818428	The Effect Of Nano Refrigerant R22-CuO Using On Water Chiller: An Experimental Study	Julfan Hafiz Farezza and Arrad Ghani Safitra (Politeknik Elektronika Negeri Surabaya, Indonesia); Teguh Hady Ariwibowo (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)
2	16.10 - 16.30	1570818475	Numerical Study of the Effect of Rib Width Angle on Elbow Erosion	Muhammad Hanif Mufadhol, Lohdy Diana and Rif'ah Amalia (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	16.30 - 16.50	1570811354	Hybrid Energy System Using ANFIS For CC-CV Battery Charging	M. Taufik Imam Hidayat (Politeknik Elektronika Negeri Surabaya, Indonesia); Farid Dwi Murdianto (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia); Moh. Zaenal Efendi (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 03
Location : Room II
Moderator : Dr. I Gede Puja Astawa, S.T.,MT.
Date : Tuesday, August 9th 2022
Track : Telecommunication Engineering Technology
Topic : IES-ETA 2

No	Time	Paper ID	Paper Title	Authors
1	15.50 - 16.10	1570823479	Analysis of Lightweight Boat Communication Equipment Performance for Data Transmission on VHF Long Range (LoRa) Onshore Network System	Okkie Puspitorini and Ari Wijayanti (Politeknik Elektronika Negeri Surabaya, Indonesia)
2	16.10 - 16.30	1570824227	IDEA Encryption System for Data Acquisition on Autonomous Underwater Vehicle	Nanang Syahroni, Hari Wahjuningrat Suparno and Djoko Santoso (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	16.30 - 16.50	1570824244	Towards Shortest Path Finding System Using Fuzzy-Dijkstra Method for Emergency Routing Problem	Gholyf Al Mustafid (Politeknik Elektronika Negeri Surabaya, Indonesia); Prima Kristalina (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); I Gede Puja Astawa (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 03
Location : Room III
Moderator : Dr. Mike Yuliana, ST. MT.
Date : Tuesday, August 9th 2022
Track : Electronics Systems and Electric Technology
Topic : IES-ETA 3

No	Time	Paper ID	Paper Title	Authors
1	15.50 - 16.10	1570822919	Smart DC Home for Energy Saving with Android-Based Real-Time Energy Monitoring	Falia Innocentia Ananda Sunarko, Epyk Sunarno, Diah Yanaratri and Eny Kusumawati (Politeknik Elektronika Negeri Surabaya, Indonesia)
2	16.10 - 16.30	1570825705	Implementation of Fall Detection for The Elderly Home Support using 24-GHz Radar Sensor	Amran Amran (Politeknik Elektronika Negeri Surabaya, Indonesia); Elly Purwantini (Lecturer, Indonesia); Ardik Wijayanto (Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Rusminto Widodo, Budi Nur Iman and Edi Satriyanto (Politeknik Elektronika Negeri Surabaya, Indonesia); Eru Puspita (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Hary Oktavianto (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	16.30 - 16.50	1570826530	Internet of Things and Data Encryption in the Agricultural Sector Using the AES Cryptosystem	Ryan Rama Maulana (Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Mochammad Zen Samsono Hadi (Politeknik Elektronika Negeri Surabaya, Indonesia); Amang Sudarsono (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)

Session : Parallel Session 03
Location : Room IV
Moderator : Dr. Setiawardhana, ST., MT.
Date : Tuesday, August 9th 2022
Track : Knowledge Base and Engineering
Topic : IES-KCIC 1

No	Time	Paper ID	Paper Title	Authors
1	15.50 - 16.10	1570818567	Improving Maintainability in GraphQL Authorization using Dynamic Authorization	Muhammad Riza Nafis and Umi Saadah (Politeknik Elektronika Negeri Surabaya, Indonesia); Ahmad Syaqui Ahsan (Politeknik Elektronika Negeri Surabaya & PENS, Indonesia); Willy Fauzi (PT. Sinergi Dimensi Informatika, Indonesia)
2	16.10 - 16.30	1570818539	Effective Building Data Warehouse Infrastructure by Code in Cloud Platform	Andi Abdul Salam Sabil, Hero Martono and Desy Intan Permatasari (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	16.30 - 16.50	1570818483	Characteristics of Accuracy Function on Multiclass Classification Based on Best, Average, and Worst (BAW) Subset of Random Forest Model	Ronny Susetyoko and Wiratmoko Yuwono (Politeknik Elektronika Negeri Surabaya, Indonesia); Elly Purwantini (Politeknik Elektronika Negeri Surabaya); Budi Nur Iman (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 03
Location : Room V
Moderator : M. Udin Harun Al Rasyid, S.Kom, Ph.D
Date : Tuesday, August 9th 2022
Track : Computational Intelligence
Topic : IES-KCIC 2

No	Time	Paper ID	Paper Title	Authors
1	15.50 - 16.10	1570823521	Smart Victims Detection in Natural Disaster using Deep Learning	Muhammad Adamu Islam (Jl. Raya ITS - Kampus PENS Sukolilo Surabaya 60111, INDONESIA & Politeknik Elektronika Negeri Surabaya, Indonesia); Mochammad Zen Samsono Hadi and Rahardhita Sudiby (Politeknik Elektronika Negeri Surabaya, Indonesia); Prima Kristalina and Aries Pratiarso (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)
2	16.10 - 16.30	1570823319	Road Damage Detection and Alert Application Using Smartphone's Built-In Sensors	Dicha Nada Puspita (Politeknik Elektronika Negeri Surabaya, Indonesia); Dwi Kurnia Basuki (Tokyo Metropolitan University, Indonesia & Politeknik Elektronika Negeri Surabaya, Indonesia); Bima Sena Bayu Dewantara (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	16.30 - 16.50	1570823518	Emotion Recognition Based on Facial Expression by Exploring Batch Normalization Convolutional Neural Network	Rochimatus Sadiyah and Arna Fariza (Politeknik Elektronika Negeri Surabaya, Indonesia); Entin Martiana Kusumaningtyas (Politeknik Elektronika Negeri Surabaya (PENS)-Indonesia, Indonesia)

Session : Parallel Session 03
Location : Room VI
Moderator : Dr. Ir Rika Rokhana, M.T.
Date : Tuesday, August 9th 2022
Track : Intelligent Multimedia Systems
Topic : IES-KCIC 3

No	Time	Paper ID	Paper Title	Authors
1	15.50 - 16.10	1570824703	Developing Microframework based on Singleton and Abstract Factory Design Pattern	Jauari Akhmad Hasim, Umi Saadah and Desy Intan Permatasari (Politeknik Elektronika Negeri Surabaya, Indonesia); Fardani Annisa Damastuti (Politeknik Elektronika Negeri Surabaya & MMB PSDKU Lamongan, Indonesia)
2	16.10 - 16.30	1570822703	Implementation of Speech Commands on Construct 3 In Developing A Renewable Energy Gamification	Rifa atul Mahmudah Burhan, Hestiasari Rante and Nu Arini (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	16.30 - 16.50	1570818343	Design and Implementation of WebXR Health Learning Module Application	Kirana Hanifati and Sritrusta Sukaridhoto (Politeknik Elektronika Negeri Surabaya, Indonesia); Dwi Kurnia Basuki (Tokyo Metropolitan University, Indonesia & Politeknik Elektronika Negeri Surabaya, Indonesia); Rizqi Putri Nourma Budiarti (Universitas Nahdlatul Ulama Surabaya, Indonesia); Evianita Dewi Fajrianti and Ilham Achmad Al Hafidz (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 04
Location : Room I
Moderator : Dr. Eny Kusumawati, S.Pd., M.Pd.
Date : Wednesday, August 10th 2022
Track : Power Engineering and Energy Technology
Topic : IES-ETA 1

No	Time	Paper ID	Paper Title	Authors
1	14.10 - 14.30	1570822578	Maximum Power Point Tracking with Constant Power Generation of Photovoltaic Systems Based on Artificial Neural Network Under Partial Shading Condition	Brenda Nathania Passandaran, Eka Prasetyono and Dimas Okky Anggriawan (Politeknik Elektronika Negeri Surabaya, Indonesia)
2	14.30 - 14.50	1570818151	Identification of Series DC Arc Fault Location in MPPT Photovoltaic System Based on Fast Fourier Transform and Artificial Neural Network	Dhigmayoga Raseto Akbar (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Eka Prasetyono and Dimas Okky Anggriawan (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	14.50 - 15.10	1570822784	Design Analysis Of Fullbridge Converter On Proton Exchange Membrane Fuelcell	Fifi Hesty, Himami Firdausia and Joke Pratilastiarso (Politeknik Elektronika Negeri Surabaya, Indonesia)
4	15.10 - 15.30	1570823155	State of the Art in Floating Tidal Current Power Plant Using Multi-Vertical-Axis-Turbines	Sony Junianto, Wahyu Fadilah and Ahmad Firyal Adila (Politeknik Elektronika Negeri Surabaya, Indonesia); Tuswan Tuswan (Universitas Diponegoro, Indonesia); Dendy Satrio (Institut Teknologi Sepuluh Nopember, Indonesia); Siti Musabikha (National Research and Innovation Agency (BRIN), Indonesia)

Session : Parallel Session 04
Location : Room II
Moderator : Dr. Hary Oktavianto, ST., M.Sc.
Date : Wednesday, August 10th 2022
Track : Telecommunication Engineering Technology
Topic : IES-ETA 2

No	Time	Paper ID	Paper Title	Authors
1	14.10 - 14.30	1570824500	Analysis Performance of QoS and QoE Digital Television in Urban Area	Yorda Safiro Doveriandi, Ari Wijayanti, Martianda Anggraeni and Ida Anisah (Politeknik Elektronika Negeri Surabaya, Indonesia)
2	14.30 - 14.50	1570825091	Symmetric Key Generation Use Received Signal Strength for V2V Communication	Izza Saputra (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Amang Sudarsono (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Mike Yuliana (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	14.50 - 15.10	1570826263	IoT Based Climate Prediction System Using Long Short-Term Memory (LSTM) Algorithm as Part of Smart Farming 4.0	Devina Shafa Anindya, Mike Yuliana and Mochammad Zen Samsono Hadi (Politeknik Elektronika Negeri Surabaya, Indonesia)
4	15.10 - 15.30	1570826538	3-Dimensional Static Environment Multihop Communication System for SAR Team	Amalia Rizki Fadhila (Politeknik Elektronika Negeri Surabaya & Surabaya City Sar Team, Indonesia); Mochammad Zen Samsono Hadi (Politeknik Elektronika Negeri Surabaya, Indonesia); Prima Kristalina (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)

Session : Parallel Session 04
Location : Room III
Moderator : Reesa Akbar, ST. MT., Ph.D.
Date : Wednesday, August 10th 2022
Track : Electronics Systems and Electrics Technology
 Robotics Technology and Control Systems
Topic : IES-ETA 3

No	Time	Paper ID	Paper Title	Authors
1	14.10 - 14.30	1570826091	Electrode Engineering in Memristors Development for Non-/Erasable Storage, Random Number Generator, and Synaptic Applications	Firman Simanjuntak (University of Southampton, United Kingdom (Great Britain)); Fayzah Talbi, Adam Kerrigan and Vlado Lazarov (University of York, United Kingdom (Great Britain)); Themistoklis Prodromakis (University of Edinburgh, United Kingdom (Great Britain))
2	14.30 - 14.50	1570823002	Deep Q-Network for Biped Robot Walking Optimization	Hasan Imaduddin and Azhar Saputra (Tokyo Metropolitan University, Japan); Indra Adji Sulistijono (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Naoyuki Kubota (Tokyo Metropolitan University, Japan)
3	14.50 - 15.10	1570818496	Development and Control of an Unmanned Ground Vehicle (UGV) Robotic Arm for Volcanic Material Sampling Based on Kinematics Modelling	Mohamad Nasyir Tamara (Politeknik Elektronika Negeri Surabaya & EEPIS, Indonesia); Riyanto Sigit, Setiawardhana Setiawardhana and Bima Sena Bayu Dewantara (Politeknik Elektronika Negeri Surabaya, Indonesia)
4	15.10 - 15.30	1570818617	Design And Realization Of UGV Robot With Combined Of Geared Wheel And Walked Mechanism for Uncertain Terrain in Volcanic Observation	Mohamad Nasyir Tamara (Politeknik Elektronika Negeri Surabaya & EEPIS, Indonesia); Riyanto Sigit, Bima Sena Bayu Dewantara and Setiawardhana Setiawardhana (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 04
Location : Room IV
Moderator : Ir. Wahjoe Tjatur Sesulihatien, MT., Ph.D.
Date : Wednesday, August 10th 2022
Track : Knowledge Base and Engineering
Topic : IES-KCIC 1

No	Time	Paper ID	Paper Title	Authors
1	14.10 - 14.30	1570818091	Sense-IT: An Aquaculture-Specific Autonomous Data Acquisition and Monitoring System	Monirul Islam Pavel (Universiti Kebangsaan Malaysia, Malaysia); Syed Mohammad Kamruzzaman (Musa Technologies Limited, Bangladesh)
2	14.30 - 14.50	1570817992	IoT Framework Development for Health Conditions Monitoring	M. Udin Harun Al Rasyid (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Budi Utomo (Universitas Airlangga, Indonesia); Huai-Kuei Wu (Asia Eastern University of Science and Technology, Taiwan); Isbat Uzzin Nadhori (Politeknik Elektronika Negeri Surabaya - Indonesia, Indonesia); Ardian Pratama (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	14.50 - 15.10	1570824063	Adaptive Beamforming Based on Linear Array Antenna for 2.3 GHz 5G Communication using LMS Algorithm	Budi Aswoyo and Muhamad Milchan (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Anang Budikarso (Politeknik Elektronika Negeri Surabaya, Indonesia)
4	15.10 - 15.30	1570824024	Human Joint Skeleton Tracking Using Multiple Kinect Azure	Azhār Aulia Saputra, Adnan Rachmat Anom Besari and Naoyuki Kubota (Tokyo Metropolitan University, Japan)

Session : Parallel Session 04
Location : Room V
Moderator : Dr. Arna Fariza, S.Kom, M.Kom
Date : Wednesday, August 10th 2022
Track : Computational Intelligence
Topic : IES-KCIC 2

No	Time	Paper ID	Paper Title	Authors
1	14.10 - 14.30	1570824663	Javanese Script Text Image Recognition Using Convolutional Neural Networks	Goldy Najma Adli Kesaulya (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Arna Fariza (Politeknik Elektronika Negeri Surabaya, Indonesia); Tita Karlita (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)
2	14.30 - 14.50	1570824698	Support Vector Machine: Melanoma Skin Cancer Diagnosis based on Dermoscopy Image	Tirta Farisaldi Ibrahim (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	14.50 - 15.10	1570824731	Crowd Counting in Public Places Using MultiScale Convolutional Neural Network	Muhammad Mujir and Tita Karlita (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Nana Ramadijanti (Politeknik Elektronika Negeri Surabaya, Indonesia)
4	15.10 - 15.30	1570825855	Analysis of Steel Bridge Trunk Conditions Based on Loads and Corrosion Levels Based on Fuzzy Sugeno	Berlian Al Kindhi (Institut Teknologi Sepuluh Nopember, Indonesia)

Session : Parallel Session 04
Location : Room VI
Moderator : Riyanto Sigit, ST., M.Kom., Ph.D.
Date : Wednesday, August 10th 2022
Track : Intelligent Multimedia Systems
Applied-Computing Sciences
Topic : IES-KCIC 3

No	Time	Paper ID	Paper Title	Authors
1	14.10 - 14.30	1570822893	Virtual Reality Application for Co-Bot Training	Amma Liesvarastranta Haz, M Muhtadin and I Ketut Pumama (Institut Teknologi Sepuluh Nopember, Indonesia); Mauridhi Hery Purnomo (Institut of Technology Sepuluh Nopember, Indonesia); Sritrusta Sukaridhoto (Politeknik Elektronika Negeri Surabaya, Indonesia)
2	14.30 - 14.50	1570823924	Implementation of Immersive Technology on Medical Education	Muhammad Ivan Muntahir and Sritrusta Sukaridhoto (Politeknik Elektronika Negeri Surabaya, Indonesia); Dwi Kurnia Basuki (Tokyo Metropolitan University, Indonesia & Politeknik Elektronika Negeri Surabaya, Indonesia); Rizqi Putri Nourma Budiarti (Universitas Nahdlatul Ulama Surabaya, Indonesia); Ilham Achmad Al Hafidz, Evianita Dewi Fajrianti, Kirana Hanifati and Naufal Adi Satrio (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	14.50 - 15.10	1570824112	Integrated Ticketing Website for Cultural Events in Covid-19 Endemic Transition Era Using Heuristic Evaluation Method	Shinta Amalia Hapsari (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Aries Pratiarso (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Haniah Mahmudah, Okkie Puspitorini and Ari Wijayanti (Politeknik Elektronika Negeri Surabaya, Indonesia); Nur Siswandari (EEPIS, Indonesia)
4	15.10 - 15.30	1570811376	Concentration Patterns Estimation Method in Deskwork by Using Time-series k-means	Tyler Inari (University of Musashino, Japan); Takafumi Nakanishi (Musashino University, Japan)

Session : Parallel Session 05
Location : Room I
Moderator : Raden Sanggar Dewanto, S.T., M.T., Ph.D.
Date : Wednesday, August 10th 2022
Track : Power Engineering and Energy Technology
Topic : IES-ETA 1

No	Time	Paper ID	Paper Title	Authors
1	15.45 - 16.05	1570811330	Charging of PV Battery at Constant Voltage Mode by Using Fuzzy Logic Control for Automation Feeding System	Dinda Putri Nagari (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Syechu Nugraha and Suhariningsih Suhariningsih (Politeknik Elektronika Negeri Surabaya, Indonesia)
2	16.05 - 16.25	1570824319	2D Modelling The Effect of Tilting Burner Boiler to Characteristic Emission NO With CFD	Muchamad Ilham Adityansyah and Rif'ah Amalia (Politeknik Elektronika Negeri Surabaya, Indonesia); Teguh Hady Ariwibowo (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)
3	16.25 - 16.45	1570824498	Parametric study of a vertical axis tidal turbine blade using the CFD method to achieve high turbine performance	Nu Arini (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 05
Location : Room II
Moderator : Mochammad Zen Samsono Hadi, S.T., M.Sc., Ph.D.
Date : Wednesday, August 10th 2022
Track : Telecommunication Engineering Technology
Topic : IES-ETA 2

No	Time	Paper ID	Paper Title	Authors
1	15.45 - 16.05	1570826549	Environmental Condition Monitoring and Decision Making System Using Fuzzy Logic Method	Hasan Hasan (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Haryadi Amran Darwito (Politeknik Elektronika Negeri Surabaya, Indonesia); Amang Sudarsono (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)
2	16.05 - 16.25	1570826576	Multihop Communication System in 2D and 3D Environments on WSN for Disaster Applications using NS-3	Hestina Novi Dianti and Mochammad Zen Samsono Hadi (Politeknik Elektronika Negeri Surabaya, Indonesia); Aries Pratiarso and Prima Kristalina (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)
3	16.25 - 16.45	1570826654	Hardware Design of Air Quality Monitoring and Classification using Artificial Neural Network with Hyperparameters Optimization	Andika Kusmahendra, Haniah Mahmudah and Rahardhita Sudibyo (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 05
Location : Room III
Moderator : Dr. Alrijadjis, Dipl. Eng., M.T.
Date : Wednesday, August 10th 2022
Track : Robotics Technology and Control Systems
Topic : IES-ETA 3

No	Time	Paper ID	Paper Title	Authors
1	15.45 - 16.05	1570818444	ERSOW Robot's Orientation Data Estimation Based on Landmark L-shape Recognition	Erna Alfi Nurrohmah, Iwan Kurnianto Wibowo and Mochamad Mobed Bachtiar (Politeknik Elektronika Negeri Surabaya, Indonesia)
2	16.05 - 16.25	1570823204	Optimization of Chasing and Catching Skills on Robot Soccer ERSOW	Fadl Lul Hakim Ihsan (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Bima Sena Bayu Dewantara and Iwan Kurnianto Wibowo (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	16.25 - 16.45	1570824301	Human Target Distance Estimation System Using Mono-camera On Human-Following Mobile Robot	Yohanes Dimas Tirta Tri Wicaksana, Akhmad Hendriawan and Niam Tamami (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 05
Location : Room IV
Moderator : Dr. Eng. Bima Sena Bayu Dewantara, S.ST., MT.
Date : Wednesday, August 10th 2022
Track : Knowledge Base and Engineering
 Computational Intelligence
Topic : IES-KCIC 1

No	Time	Paper ID	Paper Title	Authors
1	15.45 - 16.05	1570824428	Spatial-Temporal Visualization of Tuberculosis Vulnerability in East Java, Indonesia, Using the K-medoids Clustering Algorithm	Sarah Ummul Afifah, Arna Fariza and Arif Basofi (Politeknik Elektronika Negeri Surabaya, Indonesia)
2	16.05 - 16.25	1570824623	Rollator with Random Forest Implementation for Footstep Prediction using IMU Sensor	Rizky Benniah Arvind Gunawan and Reesa Akbar (Politeknik Elektronika Negeri Surabaya, Indonesia); Ardik Wijayanto (Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia)
3	16.25 - 16.45	1570818505	Identification of the effect of different feature samples on Handwritten Japanese Character Recognition using YOLOv4	Andro Aprila Adiputra (Electronic Engineering Polytechnics Institute of Surabaya, Indonesia); Tita Karlita (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Entin Martiana Kusumaningtyas (Politeknik Elektronika Negeri Surabaya(PENS)-Indonesia, Indonesia)
4	16.45 - 17.05	1570818557	Mobile Application for Cholesterol Detection Using Iridology with Image Processing and Support Vector Machine	Entin Martiana Kusumaningtyas (Politeknik Elektronika Negeri Surabaya(PENS)-Indonesia, Indonesia); Alfian Haidar Setyawan (Electronic Engineering Polytechnics Institute of Surabaya, Indonesia); Ali Ridho Barakbah (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 05
Location : Room V
Moderator : Tessy Badriyah, S.Kom., M.Kom., Ph.D.
Date : Wednesday, August 10th 2022
Track : Computational Intelligence
Topic : IES-KCIC 2

No	Time	Paper ID	Paper Title	Authors
1	15.45 - 16.05	1570825231	Design and Implementation of Real-time Object Detection for Blind using Convolutional Neural Network	Kartika Merdekawati Mulyono (Politeknik Elektronika Negeri Surabaya, Indonesia); Tri Budi Santoso (Electronic Engineering Polytechnic of Surabaya (EEPIS), Indonesia); Rahardhita Sudibyo (Politeknik Elektronika Negeri Surabaya, Indonesia)
2	16.05 - 16.25	1570825931	Implementation Augmented Intelligence on Drug Inventory Management Forecasting	Naufal Adi Satrio and Sritrusta Sukaridhoto (Politeknik Elektronika Negeri Surabaya, Indonesia); M. Udin Harun Al Rasyid (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Evianita Dewi Fajrianti and Ilham Achmad Al Hafidz (Politeknik Elektronika Negeri Surabaya, Indonesia); Rizqi Putri Nourma Budiarti (Universitas Nahdlatul Ulama Surabaya, Indonesia); Amma Liesvarastranta Haz (Institut Teknologi Sepuluh Nopember, Indonesia)
3	16.25 - 16.45	1570826656	Classification of Ocular Diseases on Fundus Images Using Weighted MobileNetV2	Rika Rokhana (Politeknik Elektronika Negeri Surabaya, Indonesia); Wiwiet Herulambang (Universitas Bhayangkara Surabaya, Indonesia); Rarasmaya Indraswari (Institut Teknologi Sepuluh Nopember, Indonesia)

Session : Parallel Session 05
Location : Room VI
Moderator : Dr. Ir. Prima Kristalina, M.T.
Date : Wednesday, August 10th 2022
Track : Applied-Computing Sciences
 Intelligent Multimedia Systems
Topic : IES-KCIC 3

No	Time	Paper ID	Paper Title	Authors
1	15.45 - 16.05	1570818220	Android and Desktop Based Ground Control Station (GCS) Interface Design for Unmanned Aerial Vehicle (UAV) Communication and Monitoring	Hafizh Irfansyah Putra, Mochamad Mobed Bachtiar and Maretha Ruswiansari (Politeknik Elektronika Negeri Surabaya, Indonesia)
2	16.05 - 16.25	1570824169	Background Blurring and Removal for 3D Modelling of Cultural Heritage Objects	Nurul Istiqomah Budianti (Engineering Polytechnic Institute of Surabaya, Indonesia); Muhammad Gibran (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Anhar Risnumawan, Martianda Anggraeni and Aestatica Ratri (Politeknik Elektronika Negeri Surabaya, Indonesia)
3	16.25 - 16.45	1570826414	Implementation of Augmented Reality in Medical Education	Alfis Syahry (Politeknik Elektronika Negeri Surabaya, Indonesia); Dwi Kurnia Basuki (Tokyo Metropolitan University, Indonesia & Politeknik Elektronika Negeri Surabaya, Indonesia); Sritrusta Sukaridhoto (Politeknik Elektronika Negeri Surabaya, Indonesia); Rizqi Putri Nourma Budiarti (Universitas Nahdlatul Ulama Surabaya, Indonesia); Evianita Dewi Fajrianti, Muhammad Ivan Muntahir and Kirana Hanifati (Politeknik Elektronika Negeri Surabaya, Indonesia)