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Session : Parallel Session 01
Location : Room 1 - The Denpasar Ball Room
Moderator : Dr. Novie Ayub Windarko
Date : Monday, October 29th, 2018
Track : Power Engineering and Energy Technology
Topic : A1

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1	11.00-11.15	1570476598	Improving the Performance of MPPT Coupled Inductor SEPIC Converter using Flower Pollination Algorithm (FPA) Under Partial Shading Condition	Alfis Syah Laili Hermawan and Farid Dwi Murdianto (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia); Ainur Rofiq Nansur (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)
8	11.15-11.30	1570476836	Performance Evaluation of MPPT using Modified PSO Algorithm for Battery Charge Application	Moh. Zaenal Efendi (Politeknik Elektronika Negeri Surabaya, Indonesia); Farid Dwi Murdianto (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia); Novie Ayub Windarko, Rangga Eka Setiawan, Rauf Hanrif Mubarak and Mohammad Agung Dirmawan (Politeknik Elektronika Negeri Surabaya, Indonesia)
13	11.30-11.45	1570477252	SCADA-based Automation System for Steam Turbine Protection and Supervision	Oskar Natan (Politeknik Elektronika Negeri Surabaya, Indonesia); Agus Indra Gunawan (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Bambang Sumantri (Politeknik Elektronika Negeri Surabaya, Indonesia); Chandra Wiryo and Arif Hendrawan (PT. Wahyu Daya Mandiri, Indonesia)
N/A	11.45-12.00	1570477392	Design and Simulation Maximum Power Point Tracking Based Adaptive Neuro Fuzzy Inference System On Photovoltaic with Cuk Converter Connected Grid	Abil Huda and Patria Julianto (Universitas Borneo Tarakan, Indonesia)
19	12.00-12.15	1570477535	Constant Voltage Control Using Fuzzy Logic Controller (FLC) to Overcome The Unstable Output Voltage of MPPT in DC Microgrid System	Alfis Syah Laili Hermawan (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia); Ainur Rofiq Nansur (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Farid Dwi Murdianto (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia)

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25	11.00-11.15	1570489118	Real Time Series DC Arc Fault Detection Based on Fast Fourier Transform	Dimas Okky Anggriawan, Muhammad Syafi'i, Eka Prasetyono, Anang Tjahjono and Muhammad Khafidli (Politeknik Elektronika Negeri Surabaya, Indonesia)
31	11.15-11.30	1570489119	Implementation AC series Arc Fault recognition using microcontroller Based on Fast Fourier Transform	Dimas Okky Anggriawan, Muhammad Khafidli, Eka Prasetyono, Anang Tjahjono and Muhammad Syafi'i (Politeknik Elektronika Negeri Surabaya, Indonesia)
37	11.30-11.45	1570477766	Fuzzy Logic-based Control System for Dissolved Oxygen Control on Indoor Shrimp Cultivation	Dikdo Yuswantoro, Oskar Natan and Achmad Novi Angga (Politeknik Elektronika Negeri Surabaya, Indonesia); Agus Indra Gunawan (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Taufiqurrahman Taufiqurrahman and Bima Sena Bayu Dewantara (Politeknik Elektronika Negeri Surabaya, Indonesia); Muhammad Andi Kurniawan (Lambung Nusantara, Indonesia)
43	11.45-12.00	1570481969	Balance Control on the Development of Electric Wheelchair Prototype with Standing and Stair Climbing Ability with Tracked-Wheel Mechanism	M Fahmi Ilma Suryanto and Nur Badriawan (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Endah Suryawati Ningrum (Politeknik Elektronika Negeri Surabaya, Indonesia); Eko Henfri Binugroho (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Novian Fajar Satria (Politeknik Elektronika Negeri Surabaya, Indonesia)
48	12.00-12.15	1570483311	Temperature Control of Canting with Electric Heating for Batik Making	Yuke Vahira Agatha, Fernaldy Aditya, Agung Shamsuddin Saragih, Radon Dhelika and Dinda C. Aulia (Universitas Indonesia, Indonesia)

Session : Parallel Session 01
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60	11.15-11.30	1570481731	Secure Data Sharing Scheme using Identity-based Encryption for e-Health Record	Dian Neipa Purnamasari, Amang Sudarsono and Prima Kristalina (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)
66	11.30-11.45	1570481751	Performance of OFDM Communication System with RSA Algorithm as Synchronization on SR Security Scheme Using USRP Devices	Nihayatus Sa'adah and I Gede Puja Astawa (Politeknik Elektronika Negeri Surabaya, Indonesia); Amang Sudarsono (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)
72	11.45-12.00	1570483191	Size Reduction of A Microstrip Antenna using Loading Circuit Method for UHF Band	Budi Aswoyo (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Akuwan Saleh (Electronic Engineering Polytechnic Institute of Surabaya, in Indonesia, Indonesia); Arifin Arifin (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)
77	12.00-12.15	1570483528	Implementation of Dead Reckoning System Using Fingerprint and K-NN Algorithm for An Object Position and Posture Estimation	Asti Putri Rahmadini (Politeknik Elektronika Negeri Surabaya, Indonesia); Prima Kristalina and Amang Sudarsono (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)

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90	11.15-11.30	1570478272	Corner Detection for Room Mapping of Fire Fighting Robot	Ahmad Ulil Amri and Fernando Ardilla (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Bayu Sandi Marta (Politeknik Elektronika Negeri Surabaya, Indonesia)
95	11.30-11.45	1570482779	Implementation of Balance Recovery by Slight Movement in Humanoid Robot Soccer	Aulia Khilmi Rizgi (Politeknik Elektronika Negeri Surabaya, Indonesia); Muhammad Muhajir (Universitas Islam Indonesia, Indonesia); Edi Sutoyo (Telkom University, Indonesia); Ilham Fakhrol Arifin, Ryan Satria Wijaya, Mochamad Ayuf Basthomi, Ahmad Habib Almutawakkil, Ibrahim Musthofainal, Anhar Risnumawan and Anggraeni Martianda (Politeknik Elektronika Negeri Surabaya, Indonesia)
100	11.45-12.00	1570483397	Improving The Accuracy and Controlling The Shooting Power in a Wheeled Soccer Robot	Amre Syamsudin and Iwan Kurnianto Wibowo (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Mochamad Mobed Bachtiar (Politeknik Elektronika Negeri Surabaya, Indonesia)
107	12.00-12.15	1570483478	Deep Features Representation for Automatic Targeting System of Gun Turre	Muhamad Khoirul Anwar (Politeknik Elektronika Negeri Surabaya, Indonesia); Muhammad Muhajir (Universitas Islam Indonesia, Indonesia); Muhammad Labiyb Afakh and Anhar Risnumawan (Politeknik Elektronika Negeri Surabaya, Indonesia); Edi Sutoyo (Telkom University, Indonesia); Didik Purnomo, Endah Suryawati Ningrum, Zaqiatud Darojah and Adytia Darmawan (Politeknik Elektronika Negeri Surabaya, Indonesia); Mohamad Nasyir Tamara (Politeknik Elektronika Negeri Surabaya & EEPIS, Indonesia)

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117	16.15-16.30	1570483950	Evaluation of Hysteresis Loss Curve on 3 Phase Induction Motor by Using Cascade Feed Forward Neural Network	Bayu Praharsena (Politeknik Elektronika Negeri Surabaya, Indonesia); Era Purwanto (Electronic Engineering Polytechnic Institute Of Surabaya, Indonesia); Arman Jaya (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia); Muhammad Rizani Rusli (Politeknik Elektronika Negeri Surabaya, Indonesia); Handri Toar (Politeknik Negeri Batam & Politeknik Elektronika Negeri Surabaya, Indonesia); Ridwan WK (Politeknik Negeri Batam, Indonesia); Angga Aditya (PENS, Indonesia); Indra Ferdiansyah
123	16.30-16.45	1570484694	Design and Implementation of Partial M-Type Zero Voltage Resonant Circuit Interleaved Bidirectional DC-DC Converter (Energy Storage and Load Sharing)	Indra Ferdiansyah and Indhana Sudiharto (Politeknik Elektronika Negeri Surabaya, Indonesia); Mochamad Abdul Mughis (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Diah Yanaratri (Politeknik Elektronika Negeri Surabaya, Indonesia)
129	16.45-17.00	1570488498	Levenberg Marquardt Backpropagation Neural Network for Harmonic Detection	Dimas Okky Anggriawan, Indhana Sudiharto, Endro Wahjono, Eka Prasetyono, Anang Tjahjono and Achmad Satriawan (Politeknik Elektronika Negeri Surabaya, Indonesia)
133	17.00-17.15	1570488594	Robustness Analysis of PID-Cuckoo Search Algorithm to Voltage Control in Three Phase Synchronous Generator with Dynamic Load Condition	Farid Dwi Murdianto (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia); Moh. Zaenal Efendi and Hayat Nur Baweani (Politeknik Elektronika Negeri Surabaya, Indonesia)

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145	16.15-16.30	1570483533	Fuzzy Logic Based Control System Temperature, pH and Water Salinity on Vanammei Shrimp Ponds	Vivien Wardhany, Herman Yuliandoko and Subono Subono (State Polytechnic of Banyuwangi, Indonesia); M. Udin Harun Al Rasyid (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); I Gede Puja Astawa (Politeknik Elektronika Negeri Surabaya, Indonesia)
150	16.30-16.45	1570486624	Vein Visualization System Using Camera and Projector Based on Distance Sensor	I Putu Adi Surya Gunawan and Riyanto Sigit (Politeknik Elektronika Negeri Surabaya, Indonesia); Agus Indra Gunawan (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)
157	16.45-17.00	1570476840	Analysis of Cell Zooming Technique Using Adaptive Traffic Load Balancing Method on Macrocell Base Station	Intan Karnila, Yetik Kusumaningrum and Rina Rachmawati (Electronics Engineering Polytechnic Intitute of Surabaya, Indonesia)
163	17.00-17.15	1570477774	Estimation of Urban Traffic State Using Simulation of Urban Mobility (SUMO) to optimize Intelligent Transport System in Smart City	Mega Ayu Dian Khumara (Indonesia, Indonesia); Prima Kristalina (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Lubna Fauziyyah (PENS, Indonesia)

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176	16.15-16.30	1570483693	Local Scattering Detection Around Relay on Multi-Hop MIMO Channels Using SDRs in Time Domain	Martianda Erste Anggraeni and Hendy Briantoro (Politeknik Elektronika Negeri Surabaya, Indonesia)
183	16.30-16.45	1570483698	Performance Evaluation of Refinement Method in Indoor Localization	Afifah Ramadhani (Politeknik Elektronika Negeri Surabaya, Indonesia); Prima Kristalina and Amang Sudarsono (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)
189	16.45-17.00	1570483722	Performance Evaluation of Indoor Characteristic based on Bluetooth Low Energy Communication System through Statistical Approach	Gigih Yumantoro (Politeknik Elektronika Negeri Surabaya, Indonesia); Prima Kristalina and Amang Sudarsono (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)
196	17.00-17.15	1570483828	Power Saving Analysis of Peak to Average Power Ratio Reduction Technique in OFDM System using Hybrid Improved Partial Transmit Sequence dan Clipping Filtering Technique	Yoedy Moegiharto, Ida Anisah, Hendy Briantoro and Inka Dewi (Politeknik Elektronika Negeri Surabaya, Indonesia)

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202	16.00-16.15	1570483662	Tracker Planet of Mars Using Hough Transform Method and Fuzzy Logic	Demas Tikno, Dem (Electronic Engineering Polytechnic Institute of Surabaya & PENS, Indonesia); Indra Adji Sulistijono (Politeknik Elektronika Negeri Surabaya (PENS) & Electronics Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Zaqiatud Darojah (Politeknik Elektronika Negeri Surabaya, Indonesia); Bambang Setiahadhi (Indonesian National Institute of Aeronautics and Space (LAPAN), Indonesia)
210	16.15-16.30	1570483670	Two Wheels Line Following Balancing Robot Control using Fuzzy Logic and PID on Sloping Surface	Nurul Hasanah (Politeknik Elektronika Negeri Surabaya, Indonesia); Ali Husein Alasiry (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Bambang Sumantri (Politeknik Elektronika Negeri Surabaya, Indonesia)
N/A	16.30-16.45	1570483709	Mobile Robot Navigation Based On Odometry and IMU Sensor with Position Estimation and Orientation Using Extended Kalman Filter	Choirul Anam (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia); Ali Husein Alasiry (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Alrijadjis Alrijadjis (Electronic Engineering Polytechnic Institute of Surabaya (EEPIS) & Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)
216	16.45-17.00	1570483927	Fusion of Feedforward and Feedback Control Using Fuzzy for Active Handling and Dribbling System in MSL Robot Soccer	Muhammad Irfan Mas'udi (Politeknik Elektronika Negeri Surabaya, Indonesia); Fernando Ardilla and Iwan Kurnianto Wibowo (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)
224	17.00-17.15	1570483952	Fall Detection in T-FLow Humanoid Robot: V-REP Simulation	Mochammad Arfaq (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia); Raden Sanggar Dewanto (Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Dadet Pramadihanto (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia)

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229	10.45-11.00	1570485679	A Spots Independent for NVIS Channels Observation	Titon Dutono (Politeknik Elektronika Negeri Surabaya, Indonesia)
234	11.00-11.15	1570486486	Design of Data Harvesting System With Radio Frequency Modules for Monitoring Performance of Solar Cells	S. Suherman, Peby Purnawan and Akhmad Musafa (Universitas Budi Luhur, Indonesia); Ardyono Priyadi (ITS, Indonesia); Margo Pujiantara (Institut Teknologi Sepuluh Nopember, Indonesia); Mauridhi Hery Purnomo (Institut of Technology Sepuluh Nopember, Indonesia)
241	11.15-11.30	1570487211	Performance Evaluation of PEGASIS Protocol for Energy Efficiency	Muhammad Mufid (Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); M. Udin Harun Al Rasyid and Iwan Syarif (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)
247	11.30-11.45	1570488609	Performance Analysis of Empirical Path Loss Models for UHF TV Broadcast on Mountainous Area	Martianda Erste Anggraeni and Naning Dwiyanti (Politeknik Elektronika Negeri Surabaya, Indonesia)

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260	10.45-11.00	1570484921	Multivariable Control for Jumping Mechanism of T-FLow Humanoid Robot	Durrotun Nashihin (Politeknik Elektronika Negeri Surabaya; ER2C, Indonesia); Dimas Pristovani Riananda (Electronics Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Bayu Sandi Marta (Politeknik Elektronika Negeri Surabaya, Indonesia); Raden Sanggar Dewanto (Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Dadet Pramadihanto (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia)
266	11.00-11.15	1570486576	Improving Field and Ball Detector for Humanoid Robot Soccer EROS platform	Aulia Khilmi Rizgi (Politeknik Elektronika Negeri Surabaya, Indonesia); Muhammad Muhajir (Universitas Islam Indonesia, Indonesia); Edi Sutoyo (Telkom University, Indonesia); Imam Fajar Fauzi (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia); Rokhmat Febrianto, Cipta Priambodo, Miftahul Anwar, Anhar Risnumawan and Anggraeni Martianda (Politeknik Elektronika Negeri Surabaya, Indonesia)

270	11.15-11.30	1570486937	Application SLAM and Path Planning using A-Star Algorithm for Mobile Robot in Disaster Area	Mohamad Nasyir Tamara (electronics engineering polytechnics institute of Surabaya)
275	11.30-11.45	1570487046	Mechanical and Forward Kinematic Analysis of Prosthetic Robot Hand for T-FLow 3.0	Yoga Bachtiar (Politeknik Elektronika Negeri Surabaya, Indonesia); Dimas Pristovani Riananda (Electronics Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Raden Sanggar Dewanto (Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Dadet Pramadihanto (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia)
281	11.45-12.00	1570488122	eROV: Preliminary Design of 5 DOF ROV using 6 Thrusters Configuration	Eko Henfri Binugroho (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Raden Sanggar Dewanto (Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Dadet Pramadihanto (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia)