

Paper Presentation Schedule ICEECS 2018
13 November 2018
Parallel Session I

Session: Informatics 1

Chair:

Room: Rama

Time		No.		Title	Authors
10:45	11:00	46	A1-01	Modifying R-NET Algorithm with Named Entity and POS Tag Information for Indonesian Answer Finder	Micky Yudi Utama and Ayu Purwarianti
11:00	11:15	35	A1-02	The Conceptualization of Indigenous Knowledge for Local Medicine	Lenny Putri Yulianti and Kridanto Surendro
11:15	11:30	103	A1-03	Application of Word Embedding in Multi Document Summarization by Combining Sentences	Felicia Christie and Masayu Leylia Khodra
11:30	11:45	87	A1-04	A Method of Test Path Generation For Regression Testing Using Sequence Diagram	Reny Fitri Yani and Wikan Danar Sunindyo
11:45	12:00	14	A2-05	Reducing Path Explosion in Bug Exploration on Apache Spark Using SAMC (Semantic-Aware Model Checking)	Ari Pratama Zhorifiandi, Dody Dharma and Afwarman Manaf
12:00	12:15	42	A2-06	Detection of Nodes with Degraded Network Interface Card at Startup Mapreduce Phase using Path-Based Approach	Praditya Raudi, Dody Dharma, Afwarman Manaf, Riza O. Suminto and Haryadi S. Gunawi

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Session: Industrial Electronics and Signal Processing

Chair:

Room: Shinta

Time		No.		Title	Authors
10:45	11:00	41	B1-01	Fluid Simulation Based on Material Point Method on GPU Using CUDA	Dody Dharma, Luqman Faizlani Kusnadi and Afwarman Manaf
11:00	11:15	16	B1-02	ENF Based Machine Learning Classification for origin of Media Signals: Novel Features from Fourier Transform Profile	Riyasat Ohib, Samin Yeasar Arnob, Mohammad Muhtady Muhaisin, Tanzil Bin Hasan, Riazul Arefin, Md. Taslim Reza and Md. Ruhul Amin
11:15	11:30	26	B1-03	Room Temperature Wearable CO Gas Sensor Based on ZnO-Graphene layer	Listya Utari, Brian Yulianto, Nugraha and Isa Anshori
11:30	11:45	28	B1-04	IoT-Based Fall Detection and Heart Rate Monitoring System for Elderly Care	Tirza Fidela Bernadus, Luki B. Subekti and Yoanes Bandung
11:45	12:00	64	B1-05	Preliminary Results For Quantum Dot Based Flexible Strain Sensors	Johanis Bay, Raymond Thai, Erik Sapper, Ivan S. Cole and Daniel T.H. Lai
12:00	12:15	92	B1-06	Electrochemical Biosensor for Protein Detection Based on Metallization Principle with Metal Junction Connection	Isa Anshori

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Session: Artificial Intelligence & Applications

Chair:

Room: Nakula

Time		No.		Title	Authors
10:45	11:00	9	C1-01	A Semiautomatic Dataset Generator for Convolutional Neural Network	Priyanto Hidayatullah, Tati L. E. R. Mengko, Rinaldi Munir and Anggraini Barlian
11:00	11:15	74	C1-02	Increasing Home Lighting Efficiency using Decision Tree Method by Prediction of Light Usage	I Komang Wijaya Kusuma, Maman Abdurohman and Aji Gautama Putrada
11:15	11:30	76	C1-03	Increasing Efficiency of Electricity Consumption based on Artificial Neural Network Method	Sulistiyo Raharjo, Maman Abdurohman and Aji Gautama Putrada
11:30	11:45	90	C1-04	Tsunami Potential Prediction using Backpropagation Artificial Neural Network	Astri Novianty, Carmadi Machbub, Sri Widiyantoro, Irwan Meilano and Daryono
11:45	12:00	113	C1-05	Predicting Stock Movement Using Unidirectional LSTM and Feature Reduction: The Case of An Indonesia Stock	Ruvita Faurina, Bondhan Winduratna and Prapto Nugroho
12:00	12:15	115	C1-06	Dialogue Management for Human Robot Interaction Using Artificial Intelligence Markup Language	Hanif Fakhurroja, Dinda Permatasari, Ayu Purwarianti and Carmadi Machbub

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Session: Computational Engineering 1

Chair:

Room: Arjuna

Time		No.		Title	Authors
10:45	11:00	84	D1-01	The Effect of Heterogeneous Traffic Flow on The Transportation System	Surya Michrandi Nasution, Emir Husni and Kuspriyanto Kuspriyanto
11:00	11:15	83	D1-02	Movement Monitoring of Goods Transportation Based on Electronic Seal System	Emir Husni and Surya Michrandi Nasution
11:15	11:30	5	D1-03	Developing Integrated Connectivity System to Monitor and Control the Performance of Indonesia's Container Terminals Network	Adrian Syahminur
11:30	11:45	100	D1-04	Performance comparison of Limboto Lake Monitoring Prototype: Laboratory testing vs Real-World testing	Tri Handayani, Reza Firsandaya Malik, Stephan Adriansyah Hulukati and Hasim Fishery
11:45	12:00	111	D1-05	Histogram-based image segmentation algorithm application for flood disaster management	Michael Orozco and Jonathan Caballero
12:00	12:15	112	D1-06	eQ2 Algorithm for Recruitment, Selection and Placement in e-Government Human Capability Development Program	Ma. Eliza Mapanoo and Jonathan Caballero

Paper Presentation Schedule ICEECS 2018
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Parallel Session II

Session: Informatics 2

Chair:

Room: Rama

Time		No.		Title	Authors
13:15	13:30	3	A2-01	Dense Word Representation Utilization in Indonesian Dependency Parsing	Arief Rahman and Ayu Purwarianti
13:30	13:45	4	A2-02	Designing an E-commerce Custom Design Merch Application Accommodating Color Blind Users	Joshua Atmadja, Dessi Puji Lestari and Dody Dharma
13:45	14:00	10	A2-03	Cross Language Plagiarism Detection System Using Latent Semantic Analysis and Backpropagation Neural Network	Anak Agung Putri Ratna, Muhammad Yusuf Irfan Herusaktiawan, Ihsan Ibrahim and Prima Dewi Purnamasari
14:00	14:15	11	A2-04	MPI Parallel Computing Strategy for Latent Semantic Analysis and Neural Network Based Automatic Essay Grading System	Anak Agung Putri Ratna, Kristofer Jehezkiel Bangun, Ihsan Ibrahim and Prima Dewi Purnamasari
14:15	14:30	69	A3-05	Performance Analysis For Issue Handling Process Prediction Using Case Attributes and Categorical Variable Encoding Technique	Sangaji Baskoro and Wikan Danar Sunindyo
14:30	14:45	75	A3-06	Deep Neural Network Acoustic Modeling for Indonesian Spontaneous Speech Recognition with Active Learning	Rahmi Yuwan and Dr. Dessi Puji Lestari

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Parallel Session II

Session: High Voltage Engineering & Power System 1

Chair:

Room: Shinta

Time		No.		Title	Authors
13:15	13:30	13	B2-01	Analysis of Organic Rankine Cycle on Power Plant Fueled Rice Husk	Bambang Anggoro Soedjarno, Carlos Dominggo Simanjuntak and Burhanuddin Halimi
13:30	13:45	8	B2-02	Electric Field Calculation by Charge Simulation Method on Cawang 150 kV Substation	Guwanan Wijaya, Dhandis Rito Jintaka, Joko Hartono and Bambang Anggoro
13:45	14:00	58	B2-03	Health Index Model for GIS Operating under Tropical Conditions	Andreas Putro Purnomoadi, Gugun Bonar, Armando Rodrigo Mor, Johan J. Smit and Buyung Sofiarto Munir
14:00	14:15	59	B2-04	Risk Assessment Model for GIS Operating under Tropical Conditions	Andreas Putro Purnomoadi, Dian Septi Rahmani, Armando Rodrigo Mor, Johan J. Smit and Guntur Supriyadi
14:15	14:30	81	B2-05	Spacer Flashover in Humid SF6 under Different Electrical Stresses	Andreas Putro Purnomoadi, Armando Rodrigo Mor, Johan J. Smit, Guntur Supriyadi and Buyung Sofiarto Munir
14:30	14:45	52	B2-06	Propagation Properties of Partial Discharge Induced Electromagnetic Wave in 70 kV GIS	Umar Khayam, Arpan Zaeni and Herlin Agustina

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Parallel Session II

Session: Image Processing

Chair:

Room: Nakula

Time		No.		Title	Authors
13:15	13:30	110	C2-01	Medical Image Segmentation using A Robust Edge-Stop Function	Agus Pratondo and Toufan Tambunan
13:30	13:45	31	C2-02	Oil Content Estimation of Oil Palm Fresh Fruit Bunches Using Image Entropy	Aji Suryo Wibowo and Richard K. W. Mengko
13:45	14:00	95	C2-03	The Effect of Lighting Rerrangement and Selection of Color Temperature to the Brainwave Pattern of Students While Studying in a Classroom	Henry Candra, Endah Setyaningsih, Jeanny Pragantha and Rifai Chai
14:00	14:15	68	C2-04	Study on Venation Visualization System Using Hyperspectral Images and Multi-Layer Perceptron Classifier	Reza Sugiarto, Adhi Harmoko Saputro and Windri Handayani
14:15	14:30	94	C2-05	GRAPH EXTRACTION OF BATIK IMAGE USING REGION ADJACENCY GRAPH (RAG) REPRESENTATION	Akmal, Iping Supriana Suwardi and Rinaldi Munir
14:30	14:45	97	C2-06	Fragile Watermarking Scheme for Authentication on Video File	Fitrandi Ramadhan

Paper Presentation Schedule ICEECS 2018
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Session: Computational Engineering 2

Chair:

Room: Arjuna

Time		No.		Title	Authors
13:15	13:30	22	D2-01	Analysis and Implementation of Graph Indexing on Graph Database Using Tree Decomposition Based Indexing (TEDI) Method for The Shortest Path Search	Siti Saadah, Hamim Tohari and Krs Wiharja
13:30	13:45	39	D2-02	Development of Authentication Techniques on Fog Computing	Muhammad Kamal Nadjieb and Yudistira Dwi Wardhana Asnar
13:45	14:00	44	D2-03	Modeling Risk and Opportunity Notions in Archimate Modeling Language	Rizki Elisa Nalawati and Arry Akhmad Arman
14:00	14:15	70	D2-04	Numerical investigation of unstable hydrodynamic force on the oscillating finite height rectangular prism	La Ode Ahmad Barata, Takahiro Kiwata, Takaaki Kono and Shunichi Mizukami
14:15	14:30	79	D2-05	Securing Information for Single Page Application With Cloud NoSQL Database Service	Teguh Eko Budiarto and Achmad Imam Kistijantoro
14:30	14:45	114	D2-06	Design and Implementation of Curtain Blind Rolling Automation Utilizing PLC TM221	Waluyo, Andre Widura, Yudithia Agustiawan Suryadi and Nasrun Hariyanto

Paper Presentation Schedule ICEECS 2018
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Parallel Session III

Session: Informatics 3

Chair:

Room: Rama

Time		No.		Title	Authors
15:00	15:15	47	A3-01	Discovering Infrastructure Development Topic in Indonesia using Topic Model	Ahmad Fathan Hidayatullah
15:15	15:30	56	A3-02	Automated Test Generator using AVM on Search Based Mutation Testing for Web Application	Raymond Chandra Putra and Bayu Hendradjaya
15:30	15:45	62	A3-03	The Effect of Clarifying Buzzer on The Behavior of Misinformation Spread in Social Networks	Muhammad Nizami and Nugraha P. Utama
15:45	16:00	78	A3-04	Classification of Citation Sentence for Filtering Scientific References	Ghoziyah Haitan Rachman, Masayu Leylia Khodra and Dwi Hendratmo Widyantoro
16:00	16:15	63	A3-05	Trust Simulation and Modeling Using Iterated Prisoner's Dilemma	Nugraha P. Utama and Arief Rahman
16:15	16:30	24	A3-06	IoT-based Smart Parking System Development	Ratnadira Widyasari, Muhammad Zuhri Catur Candra and Saiful Akbar
16:45	17:00	57	A3-07	THE ANALYSIS OF APPLICATION INFORMATION SYSTEM AS E-BUSSINESS GO-BABY APPLICATION OF CHILD CARE IN BANDUNG	Andri Sahata Sitanggang and R.Fenny Syafariani Syafariani

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Parallel Session III

Session: High Voltage Engineering & Power System 2

Chair:

Room: Shinta

Time		No.		Title	Authors
15:00	15:15	53	B3-01	Gas Turbine Upgrades at Muara Karang Block I Power Plant to Improve Performance and Availability	Muhammad Sukri Habibi Daulay, Michael Stevano Sinurat, Ngapuli I. Sinisuka, Indra Surya Dinata, Hayat Pujiatmoko and Tania Revina
15:15	15:30	33	B3-02	Comparative Study of Optimization Methods for Dispatching Unit Generators in a Power Plant	Dimas Jalaluddin Ahmad, Arga Iman Malakani, Ngapuli Irma Sinisuka, Indra Surya Dinata, Arry Pribadi and Ign P. Subawa
15:30	15:45	54	B3-03	Optimization Modeling and Simulation Solar PV System Using PVsyst Software	Yoka Mustopa, Asep Wahyu, Ngapuli I. Sinisuka, Indra Surya Dinata, Arry Pribadi and Ign P. Subawa
15:45	16:00	73	B3-04	Determination of Critical Clearing Time in Transient Stability Analysis	Yurika, Gibson Sianipar, Suwarno and Janson Naiborhu
16:00	16:15	77	B3-05	Improving Accuracy of Controlling Power Consumption using Naïve Bayes Method	Andi Fauzi, Aji Putrada and Maman Abdurohman
16:15	16:30	89	B3-06	Data Pre-processing: A case on Regional Energy Load Profile	Angreine Kewo, Pinrolinvic D.K. Manembu, Xiufeng Liu and Per Sieverts Nielsen

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Session: Biomedical Engineering

Chair:

Room: Nakula

Time		No.		Title	Authors
15:00	15:15	67	C3-01	Smoker's Melanosis Tongue Identification System using the Spatial and Spectral Characteristic Combinations Tongue in the Visible and Near-Infrared Range	Linda Yunita, Adhi Harmoko Saputro and Bramma Kiswanjaya
15:15	15:30	21	C3-02	Correlation of Ankle Brachial Index and Brachial-Ankle Pulse Wave Velocity with Framingham Risk Score for Cardiovascular Disease Risk Assessment	Tuti Adi Tama Nasution, Hasballah Zakaria and Tati Latifah Rajab Mengko
15:30	15:45	25	C3-03	Contrast Enhancement of Medical X-Ray Image Using Morphological Operators with Optimal Structuring Element	Rafsanjany Kushol, Md. Nishat Raihan, A. B. M. Ashikur Rahman and Md Sirajus Salekin
15:45	16:00	50	C3-04	Pilot Ex Vivo Study of Laser-Induced Breakdown Spectroscopy to Detect Bone Dehydration: An Approach for Irrigation Feedback in Laserosteotomy	Hamed Abbasi, Irena Sugiarto, Georg Rauter, Raphael Guzman, Philippe C. Cattin and Azhar Zam
16:00	16:15	43	C3-05	Design of Device to Monitor Asthma Severity Using Mainstream Technology while Administering Medication	Mohamad Haikal Bin Mohamad Rosli, Rokini Kumarasamy, Keerthana Rangasamy, Monisha Ghosh Srabanti and Malarvili Balakrishnan
16:15	16:30	45	C3-06	Virtual Instrument Based Real Time ECG Monitoring Device	Om Praaksh Singh, Malarvili Balakrishnan and Keerthana Rangasamy

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Session: Communication, System and Security

Chair:

Room: Arjuna

Time		No.		Title	Authors
15:00	15:15	6	D3-01	Evaluating Steady-state Performance in Narrowband Internet of Things (NB-IoT)	Hamonangan Kinantan Prabu, Risma Lukitowati, Hadisurya Chandra Kusuma, Ruki Harwahyu and Riri Fitri Sari
15:15	15:30	36	D3-02	Multi Agent Protocol for Cooperative Overtaking Assistance System	Emir Husni, Noor Cholis Basjaruddin, Kuspriyanto and Yoga Priyana
15:30	15:45	48	D3-03	Modification The Hsu-Harn-Mu-Zhang-Zu Group Key Establishment Protocol	Caesario Oktanto Kisty and Sofu Risqi Yulian Saputra
15:45	16:00	65	D3-04	Gain Enhancement of An Ultra Wide Band Rectangular Antenna	Cengizhan Dikmen and Gonca Çakır
16:00	16:15	98	D3-05	Dependency-Aware Risk Analysis (DARA) Model for Information Security	Edri Yunizal, Iping Supriana Suwardi and Kridanto Surendro
16:15	16:30	72	D3-06	Increasing RFID Card Security System using Synchronized Secret Method	Ferdy Anugrah, Maman Abdurohman and Aji Gautama Putrada
16:45	17:00	18	D3-07	Mobile Geocaching Application System: Treasure Hunt using IBeacon	Emir M Husni and Wirmanto Suteddy