

Reprint From

Electronic ISBN: 978-1-4799-7675-1, **USB ISBN:** 978-1-4799-7674-4, **Print on Demand(PoD) ISBN:** 978-1-4799-7676-8

<http://ieeexplore.ieee.org/document/8167117/>

International Conference on Electrical Engineering and Computer Science (ICECOS 2017)

A hybrid cuckoo search and K-means for clustering problem

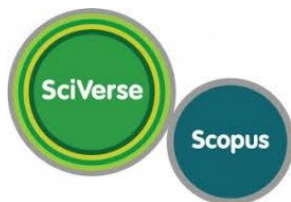
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DOI

10.1109/ICECOS.2017.8167117



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Session A

Tuesday, August 22, 2017

Theme : Communication and Vehicular Technologies
Room : Dempo 1
Chair : Dr. Ridwan Ahmad
Time : 13.00 – 16.30
Articles : 6

Authors	Title
<i>Vitri Tundjungsari</i>	Android-based Application Using Mobile Adhoc Network for Emergency Situation
<i>Mohammad Tariq Meeran; Paul Annus; Yannick Le Moullec</i>	Approaches for Improving VoIP QoS in WMNs
<i>Misfa Susanto</i>	On the Reduction of Interference Effect Using Power Control for Device-to-Device Communication Underlying Cellular Communication Network
<i>Arief Budi Santiko</i>	Design and Implementation of 2-Way Gysel Power Divider at Frequency 3.0 GHz Apply for S-Band Radar
<i>Wahid Rajeh; Abed Alshreef</i>	A Novel Three-Tier SQLi Detection and Mitigation Scheme for Cloud Environments
<i>Fitri Maya Puspita; Maijance Oktaryna</i>	Improved Bundle Pricing Model on Wireless Internet Pricing Scheme in Serving Multiple QoS Network Based on Quasi-Linear Utility Function

Session B

Tuesday, August 22, 2017

Theme : Electronics, Circuits, and Systems
Room : Dempo 2
Chair : Dr. Munawar/ Dr. Rossi Passarella
Time : 13.00 – 16.30
Articles : 13

Authors	Title
<i>Gita Fadila Fitriana; Husnawati Husnawati; Siti Nurmaini</i>	Formation Control of Leader-Follower Robot Using Interval Type-2 Fuzzy Logic Controller
<i>Siti Nurmaini; Chusniah Chusniah</i>	Differential Drive Mobile Robot Control Using Variable Fuzzy Universe of Discourse
<i>Richad Harianja; Pandapotan Siagian; Nickholas Pangaribuan; Lambok Sinaga; Baktiar Gultom; Evita Sembiring; Kisno Shinoda</i>	Smart Monitoring Apps for Salvaging Neolissochillus Thienemanni Sumateranus (Batak Heritage) from Extinction
<i>Mohamad Fauzi; Rini Wardhani</i>	Color Combo Authentication Scheme on Arduino
<i>Nurul Ikhlas Septiani; Ike Bayusari; Caroline Herry; Triya Haiyunnisa; Bhakti Yudho Suprpto</i>	Optimization of PID Control Parameters with Genetic Algorithm plus Fuzzy Logic in Stirred Tank Heater Temperature Control Process
<i>Djoko Purwanto; Muhammad Rivai; Hendawan Soebhakti</i>	Vision-Based Multi-Point Sensing for Corridor Navigation of Autonomous Indoor Vehicle
<i>Nyayu Latifah Husni; Ade Handayani; Siti Nurmaini; Irsyadi Yani</i>	Odor Classification Using Support Vector Machine
<i>Falah Yuridho; Nyayu Husni; M Roseno*</i>	Swarm Robot Implementation in Gas Searching Using Particle Swarm Optimization Algorithm

Ade Handayani, ASH; Nyayu Husni; Siti Nurmaini; Irsyadi Yani Formation Control Design for Real Swarm Robot Using Fuzzy Logic

Bambang Tutuko; Siti Nurmaini; Gita Fadila Fitriana Tracking Control Enhancement on Non-Holonomic Leader-Follower Robot

Ade Handayani, ASH; Nyayu Latifah Husni; Siti Nurmaini; Deby Putri Mobile-Robot Positioning for Wi-Fi Signal Strength Measurement

Nyayu Husni; Ade Handayani; Siti Nurmaini Cooperative Searching Strategy for Swarm Robot

Nazarudin Nazarudin; Swadexi Istiqphara; Muhammad Puriza; Zulmiftah Huda; Oki Alfernando; Ulyarti Ulyarti Auto Tuning PID Controller an Implementation on Distillation of Liquid Conversion from Catalytic Cracking of Crude Palm Oil

Session C

Tuesday, August 22, 2017

Theme : Information Technologies
Room : Semeru 2
Chair : Dr. Hadipurnawan Satria
Articles : 25

Authors	Title
<i>Punnoose Kuriakose</i>	An Experimental Study for Detecting Speech
<i>Malisa Huzaifa; Iping Suwardi</i>	Car Model Recognition from Frontal Image Using BRISK
<i>Bayu Adhi Tama; Bruno Joachim Kweka; Youngho Park; Kyung Hyune Rhee</i>	A Critical Review of Blockchain and Its Current Applications
<i>Adam Nevriyanto; Purnamasari Diah; Erwin Erwin</i>	Image Enhancement Using the Image Sharpening, Contrast Enhancement, and Standard Median Filter: Noise Removal with Pixel-Based and Human Visual System-Based Measurements
<i>Abba Suganda Girsang</i>	A Hybrid Cuckoo Search and K-Means for Clustering Problem
<i>Meyhart Sitorus; Ridi Ferdiana; Teguh Bharata Adji</i>	Designing Gamification Framework to Support Social Media Application Based on Game Elements and Cutting-edge Technology
<i>Muhammad Khaerul Naim Mursalim; Noor Falih*</i>	Detection of Vessel on UAV Based on Segmentation Using Edge Based Dilation
<i>Dony Novaliendry; Cheng-Hong Yang; Yeka Hendriyani</i>	Designing a Decision Supporting System in Choosing Web-Based Career
<i>Fajar Hidayah; Farhan Alfaizi; Theresia Rochadiani; Handri Santoso</i>	AR-BOOK: Augmented Reality for Education and Interactive Learning
<i>Md Abdullah Al Imran; Sai Peck Lee; M A Manazir Ahsan</i>	Quality Driven Architectural Solutions Selection Approach Through Measuring Impact Factors
<i>Andhika Giri Persada; Mohamad Waskita Adi Pranata; Afina Anfa Ana</i>	Aesthetics of Interaction Design on the Mobile-Based University Website
<i>Dewi Liliana; Chan Basaruddin</i>	A Review on Conditional Random Fields as a Sequential Classifier in Machine Learning

Imas Sitanggang; Ajeng Asti; Lailan Syaufina; Husnul Khotimah	Haze Trajectory Clusters in South Sumatra in 2015
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Sarifah Putri Raflesia; Dinda Lestarini; Taufiqurrahman Taufiqurrahman; Firdaus Firdaus, F	Geofencing Based Technology Towards Child Abuse Prevention
Winal Prawira; Arinto Setyawan; Sri Ratna Sulistiyanti; Emir Nasrullah	The Detection of 3D Object Using a Method of a Harris Corner Detector and Lucas-Kanade Tracker Based on Stereo Image
Imas Sitanggang; Muhamad Syukur; Asep Ginanjar; Rina Trisminingsih; Husnul Khotimah	Integration of Spatial Online Analytical Processing for Agricultural Commodities with OpenLayers
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Sarifah Putri Raflesia; Kridanto Surendro; Rossi Passarella	The User Engagement Impact Along Information Technology of Infrastructure Library (ITIL) Adoption
Ermatita Ermatita; Dedik Budianta	Fuzzy Knuth Moris Pratt Algorithm for Knowledge Management System Model on Knowledge Heavy Metal Content in Oil Plants
Muhammad Fachrurrozi; S Saparudin; Erwin Erwin; Anggina Primanita	Face Recognition Based on Content Based Image Retrieval
Firdaus Firdaus, F; Septriani Septriani; Alsella Meiriza; Reza Firsandaya Malik; Siti Nurmaini	Spatio-temporal Analysis of South Sumatera Hotspot Distribution
Anggina Primanita; Rusdi Effendi; Wahyu Hidayat	Comparison of a* and Iterative Deepening a* Algorithms for Non-Player Character in Role Playing Game
Bagus Priambodo	Visualizing Prediction of Traffic Flow Propagation Based on Highest Correlation Between Roads

Session D

Tuesday, August 22, 2017 & Wednesday, August 23, 2017

Theme : Power Systems
Room : Semeru 3
Chair : Mona Riza Mohd Esa
Time : 13.00 – 16.30
Articles : 15

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<i>Rahman Prasojo; Karunika Diwyacitta; Suwarno Suwarno; Harry Gumilang</i>	Transformer Paper Condition Assessment Using Adaptive Neuro-Fuzzy Inference System Model
<i>Karunika Diwyacitta; Rahman Prasojo; Suwarno Suwarno; Harry Gumilang</i>	Effects of Lifetime and Loading Factor on Dissolved Gases in Power Transformers
<i>Mukhlisah Yunus; Fendi Fatoni; Umar Khayam</i>	Effect of the Presence of Metal Box on Partial Discharge Detected by Internal Loop Antenna
<i>Harmini Harmini</i>	Monitoring System of Stand Alone Solar Photovoltaic Data
<i>Heldi Alfiadi; Dini Fauziah; Suwarno Suwarno</i>	Study on Leakage Current Characteristic of Naturally Aged Silicon Rubber Coated Ceramic Insulator
<i>Umesh K. Soni; Ramesh Kumar Tripathi</i>	Four Quadrant Torque Ripple Free Operation of BLDC by Virtual Hall Signal Transitions at Phase Back EMF ZDPs
<i>Ibrahim Musa Visa; Mohammed Imran Mousa; Zulkurnain Abdul-Malek</i>	Comparison of the Effect of Fixed Metallic Defects in Coaxial Gas Insulated Switch-gear Condition Monitoring
<i>Ibrahim Musa Visa; Zulkurnain Abdul-Malek; Mohammed Imran Mousa</i>	Sulphur Hexafluoride Gas Decomposition Products of Fixed Metallic Defect in Coaxial Gas Insulated Switchgear
<i>Mohammed Imran Mousa; Zulkurnain Abdul-Malek; Ibrahim Musa Visa; Ali I Elgayar; Nawawi Zainuddin; Muhammad Abu Bakar Sidik; Irfan Jambak</i>	Evaluation and Mitigation of Underground Gas Pipeline Coating Stress Due to Nearby Lightning Stroke

Noor Azlinda Ahmad; Zaini Zakaria; Mona Riza Mohd Esa; Zuraimy Adzis; Muhammad Abu Bakar Sidik; Nawawi Zainuddin; Irfan Jambak	Wavelet Analysis of Narrow Bipolar Pulses in Tropical Region
Putu Agus Aditya Pramana; Buyung S Munir; Aristo Adi Kusuma	Recovery Voltage Study of Capacitor Bank Switching for 150kV Electrical System in Indonesia
Mohd Hafizi Ahmad; Noor 'Aliaa Awang; Zulkurnain Abdul-Malek; Muhammad Abu Bakar Sidik; Nawawi Zainuddin; Irfan Jambak; Eka Waldi; Aulia Aulia	AC Breakdown Strength Enhancement of LDPE Nanocomposites Using Atmospheric Pressure Plasma
Aristo Adi Kusuma; Buyung S Munir; Putu Agus Aditya Pramana	Effect of Traction Substation for High Speed Railway in Indonesia
Brian Harsono; Buyung S Munir	Lightning Data Mapping of West Java Province
Mohd Riduan Ahmad; Dinesh Periannan; Mona Riza Mohd Esa; Muhammad Haziq Mohammad Sabri; Gaopeng Lu; Zhang Hongbo; Vernon Cooray; Mohamad Zoinol Abidin Bin Abd Aziz	Emission Heights of Narrow Bipolar Events in a Tropical Storm over the Malacca Strait

Session D Part. 2

Wednesday, 23 August 2017

Theme : Power Systems
Room : Semeru 2
Chair : Dr. Rossi Passarella
Time : 09.05 – 10.00
Articles : 6

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<i>Nawawi Zainuddin; Hussein Ahmad; Muhammad Abu Bakar Sidik; David Caulker; Annuar Ramli; Samsul Haimi Dahlan</i>	On the Interaction of 132 kV Transmission System with Communication Line: Street Cabinet Resistivity Evaluation
<i>Muhammad Abu Bakar Sidik; Hussein Ahmad; Irshad Ullah; Md Ramdon Baharom; Luqman Hakim; Zainab Zainal</i>	Small Scale Test Model to Study Impulse Flashover and Attachment Pattern of Protected Building Structures
<i>Muhammad Abu Bakar Sidik; Hussein Ahmad; Mohamad Amirul Hafiz; Irfan Jambak; Siti Amely Jumaat</i>	Evaluation of Grounding System for AC Substation Using Sub-Ground(SG) Software for Novice Professionals: Interpretation Based on IEEE Std. 80-1986
<i>Uvais Mustafa; M Saad Bin Arif; H. Rahman; Muhammad Abu Bakar Sidik</i>	Modelling and Optimization of Simultaneous AC-DC Transmission to Enhance Power Transfer Capacity of the Existing Transmission Lines
<i>Izzah Zakaria; Mohd Hafizi Ahmad; Zulkurnain Abdul-Malek; Muhammad Abu Bakar Sidik;</i>	AC Breakdown Strength Performance of Plasma Treated Mineral Oil-Based Nanofluids
<i>Nawawi Zainuddin; Irfan Jambak Tresna Dewi; Risma Pola Risma; Yurni Oktarina; Ahmad Taqwa</i>	Wireless Electrical Source for Mobile Application

Session E

Wednesday, August 23, 2017

Theme : Pervasive, Computing and Internet of Things
Room : Dempo 1
Chair : Dr. Iwan Pahendra
Time : 09.05– 10.00
Articles : 6

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Judika Gultom; Maruf Harsono; Tubagus Khameswara; Handri Santoso	Smart IoT Automatic Water Sprinkle and Monitoring System for Chili Plant
Wilman Rahman	Low-Cost Health Monitoring System Based on Microcontroller
Mohd Abdullah Al Mamun; Jinat Afroj Puspo; Amit Kumar Das	An Intelligent Smartphone Based Approach Using IoT for Ensuring Safe Driving
Fatema Tuz Zohora; Md. Rezwanur Rahman Khan; Md. Fazla Rabbi Bhuiyan; Amit Kumar Das	Enhancing the Capabilities of IoT Based Fog and Cloud Infrastructures for Time Sensitive Events
Andi Adriansyah; Akhmad Dani; Gerri Nugraha	Automation Control and Monitoring of Public Street Lighting System Based on Internet of Things

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