

Technical Program

2018 International Electronics Symposium on Knowledge Creation and Intelligent Computing (IES-KCIC)

Date: October 29-30th, 2018

Venue : The Patra Bali Resort & Villas, Kuta, Bali Island, Indonesia

Time	Monday, October 29 th , 2018			
08.30-09.00	Opening Ceremony (IES General Chairman: Dr. Tri Budi Santoso, IEEE Indonesia Section: Dr. Karlisa Priandana, PENS Director: Dr. Zainal Arief)			
09.00-10.30	Keynote Speech I (Prof. Naoyuki Kubota) and Keynote Speech II (Prof. Hazlie Bin Mokhlis); Moderator: Dr. Indra Adji Soelistijono			
10.30-11.00	Coffee Break			
11:00-12:30	Parallel Session I			
	Room 5 - Topic E1 (IES-KCIC): Oral Presentation (5 Papers)	Room 6 - Topic F1 (IES-KCIC): Oral Presentation (5 Papers)	Room 7 - Topic G1 (IES-KCIC): Oral Presentation (5 Papers)	Room 8 - Topic H1 (IES-KCIC): Oral Presentation (5 Papers)
12.30-14.00	Lunch Break			
14:00-15:30	Workshop Session I (Wireless Sensor Network - WSN); Theme : Integration of WSN/IoT; Room: The Denpasar Ball Room; Panelist: Prof. Jiwa Abdullah, Dr. Prima Kristalina; Moderator: Dr. M. Udin Harun Al Rasyid		Workshop Session I (AAIL) - Theme: Environmental AI Model and Computing for Disaster Resilient Society; Moderator : Dr. Shiori Sasaki; Panelist: Prof. Yasushi Kiyoki (Keio Univ), Dr. Tri Harsono (PENS), Dr. Ali Ridho Barakbah (PENS), Dr. Asako Uraki (Keio Univ; Univ of Hawaii at Manoa), Dr. Wahyu Sesulihatien (PENS)	
15:30-16:00	Coffee Break			
16:00-17:30	Parallel Session II			
	Room 5 - Topic E2 (IES-KCIC): Oral Presentation (5 Papers)	Room 6 - Topic F2 (IES-KCIC): Oral Presentation (5 Papers)	Room 7 - Topic G2 (IES-KCIC): Oral Presentation (5 Papers)	Room 8 - Topic H2 (IES-KCIC): Oral Presentation (5 Papers)
17:30-19:00	Break			
19:00-21:00	Welcome Dinner			
Time	Tuesday, October 30 th , 2018			
09.00-10.00	Keynote Speech III (Prof. Yasushi Kiyoki); Moderator: Dr. Anang Tjahjono			
10.00-10.30	Coffee Break			
10.30-12.00	Parallel Session III			
	Room 3 - Topic C3 (IES-KCIC): Oral Presentation (5 Papers)		Room 4 - Topic D3 (IES-KCIC): Oral Presentation (5 Papers)	
	Room 5 - Topic E3 (IES-KCIC): Oral Presentation (5 Papers)	Room 6 - Topic F3 (IES-KCIC): Oral Presentation (6 Papers)	Room 7 - Topic G3 (IES-KCIC): Oral Presentation (6 Papers)	
12.00-13.30	Lunch Break			
13.30-15.00	Workshop Session II (Asia Artificial Intelligence Institute - AAIL) - Theme: Smart Environment with Interactive Multimedia System and Application; Moderator: Dr. Amang Sudarsono; Panelist: Dr. Takafumi Nakanishi (Musashino Univ), Dr. Achmad Basuki (PENS), Dr. Yasuhiro Hayashi (Musashino Univ), Dr. Dhoto Sritrusta (PENS), Mr. Takashi Kumagai (Musashino Univ) Room: The Denpasar Ball Room			
15.00-15.30	Coffee Break			
15.30-16.30	Closing Ceremony			

Session : Parallel Session 01
Location : Room 5 - The Denpasar Ball Room
Moderator : Dr. Sritrusta Sukaridhoto
Date : Monday, October 29th, 2018
Track : Knowledge Base and Engineering
Topic : E1

Time	ID Paper	Title	Author(s)
11.00-11.15	1570477748	Physical Exercise for The Elderly People using Kinect Technology	Intan Irnanda (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Achmad Basuki (Politeknik Elektronika Negeri Surabaya, Indonesia); Fadilah Fahrul Hardiansyah (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)
11.15-11.30	1570477750	Thesis Examination Timetabling using Genetic Algorithm	Susana Limanto (University of Surabaya, Indonesia); Tyrza Adelia (Universitas Surabaya, Indonesia); Njoto Benarkah (Universities Surabaya, Indonesia)
11.30-11.45	1570483453	Integrated Robotics Architecture with Kansei Computing: Proposal and Initial Prototype	Yoshiko Itabashi (Keio University & Keio Research Institute at SFC, Japan); Yasushi Kiyoki (Keio University, Japan)
11.45-12.00	1570483861	Message Passing Support for FLoW Microkernel	Ivan Pandu Setiawan and Sritrusta Sukaridhoto (Politeknik Elektronika Negeri Surabaya, Indonesia); Dadet Pramadihanto (PENS, Indonesia)
12.00-12.15	1570483944	Development and Performance Testing of FLoWRTOS with Random Case: 3 Main Processes on The Head System of T-FLoW Robot	Agung Pambudi (Politeknik Elektronika Negeri Surabaya, EEPIS Robotics Research Center); Dadet Pramadihanto (PENS, Indonesia); Dimas Pristovani Riananda (Electronics Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia)

Session : Parallel Session 01
Location : Room 6 - The Jembrana Room
Moderator : Dr. Iwan Syarif
Date : Monday, October 29th, 2018
Track : Computational Intelligence
Topic : F1

Time	ID Paper	Title	Author(s)
11.00-11.15	1570477153	Estimation of A 3D Object Pose Using The Single Flexible Template	Dewi Mutiara Sari (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Vina Wahyuni Eka Putranti (MJIT - Universiti Teknologi Malaysia, Malaysia)
11.15-11.30	1570477452	A Physical and Emotional Distance Calculation Method for Searching and Recommending Sightseeing Spots in Tour-Semantic Space	Kaito Kikuhara and Yasushi Kiyoki (Keio University, Japan)
11.30-11.45	1570477550	Pattern Recognition based on Probabilistic Neural Network for Motorcycle Oil Fault Diagnosis	Faisa Lailiyul Mutho'affifah, Zaqiatud Darojah and Endah Suryawati Ningrum (Politeknik Elektronika Negeri Surabaya, Indonesia)
11.45-12.00	1570481261	Neural Networks Algorithm to Inquire Previous Preeclampsia Factors in Women with Chronic Hypertension During Pregnancy in Childbirth Process	Muhlis Tahir (Politeknik Elektronika Negeri Surabaya, Indonesia); Tessy Badriyah (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Iwan Syarif (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)
12.00-12.15	1570482628	Evaluation of Scholarly Performance Student Using Multi-Criteria Decision-Making with Objective Weight	Masna Wati and Niken Novirasari (Universitas Mulawarman, Indonesia); Herman Pakpahan (University of Mulawarman & Faculty of Computer Science and Information Technology (CSIT), Indonesia)

Session : Parallel Session 01
Location : Room 7 - The Tabanan Room
Moderator : Dr. Ali Ridho Barakbah
Date : Monday, October 29th, 2018
Track : Intelligent Multimedia Systems
Topic : G1

Time	ID Paper	Title	Author(s)
11.00-11.15	1570483063	3D Inventory Information System Game Technology Laboratory Using Structure Sensor	Agus Prastyo and Mohamad Safrudin (PENS, Indonesia); Artiarini Nurindiyan (Lecturer & Politeknik Elektronika Negeri Surabaya, Indonesia)
11.15-11.30	1570483463	Gesture 3D Modeling for Traditional Javanese Dance	Artiarini Nurindiyan (Lecturer & Politeknik Elektronika Negeri Surabaya, Indonesia); Fardani Annisa Damastuti (Politeknik Elektronika Negeri Surabaya, Indonesia)
11.30-11.45	1570483782	Implementation of Facial Expression Recognition System For Selecting Fashion Item Based on Like and Dislike Expression	Lutfiyatul Anas and Nana Ramadijanti (Politeknik Elektronika Negeri Surabaya, Indonesia); Achmad Basuki (Politeknik Elektronika Negeri Surabaya, Indonesia)
11.45-12.00	1570486246	First Person Shooter VR based Game On 10 November 1945 With Motion Controller	David Abdillah, Kholid Fathoni and Fahim Bagar (Politeknik Elektronika Negeri Surabaya, Indonesia)
12.00-12.15	1570483821	A Mental Health Database Creation Method with 2-Phase Correlation Computing	Venera Raneva (Keio University, Faculty of Media and Governance, Japan); Yasushi Kiyoki (Keio University, Japan)

Session : Parallel Session 01
Location : Room 8 - The Klungkung Room
Moderator : Dr. Achmad Basuki
Date : Monday, October 29th, 2018
Track : Applied-Computing Sciences
Topic : H1

Time	ID Paper	Title	Author(s)
11.00-11.15	1570487337	A Composition-Based Image Retrieval Method for Environment-Visualization with Images and Spatio-Temporal Information	Yuka Toyoshima (Keio University, Japan); Yasuhiro Hayashi (Musashino University, Japan); Yasushi Kiyoki (Keio University, Japan)
11.15-11.30	1570489021	Facial Expression Recognition System for Analysis of Facial Expression Changes When Singing	Aditya Wardana (PENS, Indonesia); Nana Ramadjanti (Politeknik Elektronika Negeri Surabaya, Indonesia); Achmad Basuki (Politeknik Elektronika Negeri Surabaya, Indonesia)
11.30-11.45	1570482379	Secure Attribute-Based Encryption With Access Control to Data Medical Records	Novi Fitri (Politeknik Elektronika Negeri Surabaya, Indonesia); M. Udin Harun Al Rasyid and Amang Sudarsono (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)
11.45-12.00	1570483258	A Context-based Knowledge Acquisition System for Understanding Relations between Endangered Species and Daily Phenomena	Sari Inoue, Shiori Sasaki and Yasushi Kiyoki (Keio University, Japan)
12.00-12.15	1570483558	Application For Rehabilitation Of Fine Movement On Hand For Post-Stroke Patients Using Myo Armband	Muhammad Widodo and Moh. Zikky (Politeknik Elektronika Negeri Surabaya, Indonesia); Artiarini Nurindiyani (Lecturer & Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 02
Location : Room 5 - The Denpasar Ball Room
Moderator : Dr. Shiori Sasaki
Date : Monday, October 29th, 2018
Track : Knowledge Base and Engineering
Topic : E2

Time	ID Paper	Title	Author(s)
16.00-16.15	1570483819	A Regional-Diversity- Corresponding Real Estate Information Search & Evaluation System	Haruki Honda and Shiori Sasaki (Keio University, Japan); Yasuhiro Hayashi (Keio University & Graduate School of Media and Governance, Japan); Yasushi Kiyoki (Keio University, Japan)
16.15-16.30	1570486596	Making Short Movie using 3D Professional Camera	Hestiasari Rante and Fardani Annisa Damastuti (Politeknik Elektronika Negeri Surabaya, Indonesia); Dadet Pramadihanto (PENS, Indonesia); Muhammad Ali Akbar (Politeknik Elektronika Negeri Surabaya, Indonesia)
16.30-16.45	1570486819	A Multi-dimensional Visualization Method for Disaster Analysis on 5D World Map System	Asako Uraki, Shiori Sasaki and Yasushi Kiyoki (Keio University, Japan)
16.45-17.00	1570487204	Identification of Poisonous Fungi Basidiomycota Macro Based on Mobile Device Using Neural Network	Meilani Wulandari (Politeknik Elektronika Negeri Surabaya, Indonesia); Entin Martiana Kusumaningtyas (Politeknik Elektronika Negeri Surabaya(PENS)-Indonesia, Indonesia); Ali Ridho Barakbah (Politeknik Elektronika Negeri Surabaya, Indonesia)
17.00-17.15	1570487308	Heart Abnormalities Detection Through Iris Based on Mobile	Febriana D. Kusuma (Politeknik Elektronika Negeri Surabaya, Indonesia); Entin Martiana Kusumaningtyas (Politeknik Elektronika Negeri Surabaya(PENS)-Indonesia, Indonesia); Ali Ridho Barakbah (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 02
Location : Room 6 - The Jembrana Room
Moderator : Dr. Ryosuke Konishi
Date : Monday, October 29th, 2018
Track : Computational Intelligence
Topic : F2

Time	ID Paper	Title	Author(s)
16.00-16.15	1570483257	Indonesian Vehicle License Plate Number Detection using Deep Convolutional Neural Network	Hasan Imaduddin, Muhamad Khoirul Anwar and Muhammad Ilham Perdana (Politeknik Elektronika Negeri Surabaya, Indonesia); Indra Adji Sulistijono (Politeknik Elektronika Negeri Surabaya (PENS) & Electronics Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Anhar Risnumawan (Politeknik Elektronika Negeri Surabaya, Indonesia)
16.15-16.30	1570483543	Estimating Adaptive Individual Interests and Needs Based on Online Local Variational Inference for a Logistic Regression Mixture Model	Ryosuke Konishi and Fumito Nakamura (Generic Solution Corporation, Japan); Yasushi Kiyoki (Keio University, Japan)
16.30-16.45	1570483565	Automatic Breast Tumor Segmentation Using Hierarchical K-means on Mammogram	Nana Ramadjanti, Farida Husna and Ali Ridho Barakbah (Politeknik Elektronika Negeri Surabaya, Indonesia)
16.45-17.00	1570483902	Semantic Video Recommendation System Based on Video Viewers Impression From Emotion Detection	Darari Nur Amali and Ali Ridho Barakbah (Politeknik Elektronika Negeri Surabaya, Indonesia); Adnan Rachmat Anom Besari (Politeknik Elektronika Negeri Surabaya (PENS) & Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Dias Agata (Politeknik Elektronika Negeri Surabaya, Indonesia)
17.00-17.15	1570483932	Synthesis of Neural Oscillator based Dynamic Rhythmic Generation in Quadruped Robot Locomotion	Azhar Aulia Saputra and Naoyuki Kubota (Tokyo Metropolitan University, Japan)

Session : Parallel Session 02
Location : Room 7 - The Tabanan Room
Moderator : Dr. Yasuhiro Hayashi
Date : Monday, October 29th, 2018
Track : Intelligent Multimedia Systems
Topic : G2

Time	ID Paper	Title	Author(s)
16.00-16.15	1570483904	Moving Object Velocity Detection Based on Motion Blur on Photos Using Gray Level	Julio Dwicahya and Nana Ramadijanti (Politeknik Elektronika Negeri Surabaya, Indonesia); Achmad Basuki (Politeknik Elektronika Negeri Surabaya, Indonesia)
16.15-16.30	1570483938	Mobile Visual Programming Apps for Internet of Things Applications based on Raspberry Pi 3 Platform	Ricky Setiawan (Politeknik Elektronika Negeri Surabaya, Indonesia); Adnan Rachmat Anom Besari (Politeknik Elektronika Negeri Surabaya (PENS) & Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Iwan Kurnianto Wibowo (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Muh Rifqi Rizqullah (Politeknik Elektronika Negeri Surabaya, Indonesia); Dias Agata (Politeknik Elektronika Negeri Surabaya, Indonesia)
16.30-16.45	1570485245	Jamarat Ritual Simulation with Myo Armband for Precise Throws Speed	Iqbal Sabilirrsyad (University of Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Moh. Zikky and Rizky Yuniar Hakkun (Politeknik Elektronika Negeri Surabaya, Indonesia)
16.45-17.00	1570485249	A Bouquet Creation System for Sending "Kansei" Messages with Language of Flowers	Matsumoto Kanako (University of Keio, Japan); Shiori Sasaki (Keio University, Japan); Yasuhiro Hayashi (Keio University & Graduate School of Media and Governance, Japan); Yasushi Kiyoki (Keio University, Japan)
17.00-17.15	1570487286	3D Visualization and Emerge 3D Model Human Body of Javanese Dance	Fardani Annisa Damastuti (Politeknik Elektronika Negeri Surabaya, Indonesia); Artiarini Nurindiyani (Lecturer & Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 02
Location : Room 8 - The Klungkung Room
Moderator : Dr. Riyanto Sigit
Date : Monday, October 29th, 2018
Track : Applied-Computing Sciences
Topic : H2

Time	ID Paper	Title	Author(s)
16.00-16.15	1570483666	Implementation of Microservice Architectures on SEMAR Extension For Air Quality Monitoring	Yohanes Panduman and Mochamad Rifki Ulil Albaab (Politeknik Elektronika Negeri Surabaya, Indonesia); Adnan Rachmat Anom Besari (Politeknik Elektronika Negeri Surabaya (PENS) & Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Sritrusta Sukaridhoto (Politeknik Elektronika Negeri Surabaya, Indonesia); Anang Tjahjono (Pens, Indonesia)
16.15-16.30	1570483733	Segmentation of Liver Using Abdominal CT Scan to Detection Liver Disease Area	Faizatul Himmah and Riyanto Sigit (Politeknik Elektronika Negeri Surabaya, Indonesia); Tri Harsono (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia)
16.30-16.45	1570483750	Design and Implementation of Middleware System for IoT Devices based on Raspberry Pi	Muh Rifqi Rizqullah (Politeknik Elektronika Negeri Surabaya, Indonesia); Adnan Rachmat Anom Besari (Politeknik Elektronika Negeri Surabaya (PENS) & Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Iwan Kurnianto Wibowo (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Ricky Setiawan (Politeknik Elektronika Negeri Surabaya, Indonesia); Dias Agata (Poiliteknik Elektronika Negeri Surabaya, Indonesia)
16.45-17.00	1570483831	Strip Test Analysis Using Image Processing for Diagnosing Diabetes and Kidney Stone Based on Smartphone	Goestom Budiando (Politeknik Elektronika Negeri Surabaya, Indonesia); Tri Harsono (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia); Heny Yuniarti (Politeknik Elektronika Negeri Surabaya, Indonesia)
17.00-17.15	1570483924	Fetal Head and Femur Detection from USG image to Estimate Gestational Age	Khusnul Danny Rahayu and Riyanto Sigit (Politeknik Elektronika Negeri Surabaya, Indonesia); Dias Agata (Poiliteknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 03
Location : Room 3 - The Denpasar Ball Room
Moderator : Dr. Takafumi Nakanishi
Date : Tuesday, October 30th, 2018
Track : Applied-Computing Sciences
Topic : C3

Time	ID Paper	Title	Author(s)
10.30-10.45	1570483941	Development of an e-Coin System for managing user's learning progress on different e-learning applications	Kohei Kamimura, Kazuki Naganuma and Kosuke Takano (Kanagawa Institute of Technology, Japan)
10.45-11.00	1570484636	Text Steganography on Sundanese Script using Improved Line Shift Coding	Henning Titi Ciptaningtyas (Institut Teknologi Sepuluh Nopember (ITS) Surabaya, Indonesia); Radityo Anggoro (Institut Teknologi Sepuluh Nopember & Kumamoto University, Indonesia); Muhsin Fadhillah (Institut Teknologi Sepuluh Nopember (ITS) Surabaya, Indonesia)
11.00-11.15	1570484670	Mobile Learning Media for Computer Science Course	Edy Budiman, Novianti Puspitasari, Masna Wati, Haeruddin Haeruddin, Joan Angelina Widians and Andi Tejawati (Universitas Mulawarman, Indonesia)
11.15-11.30	1570485895	Developing Web-Based English Reading-Aloud Practice App with Dictation Method Using Speech Recognition Technology	Aliv Faizal Muhammad (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Akhmad Alimudin (Politeknik Elektronika Negeri Surabaya, Indonesia)
11.30-11.45	1570486209	Media-driven Real-time Content Management Framework and its Application to In-Class Thinking Support System	Takafumi Nakanishi (International University of Japan & Center for Global Communications(GLOCOM)/Musashi no University, Japan); Kyohei Matsumoto (GLOCOM, International University of Japan, Japan); Toshitada Sakawa (Sakawa Co., Ltd., Japan); Kengo Onodera (TerraLin Create Co., Ltd., Japan); Shinichiro Orimo and Hiroyuki Kobayashi (Hirayama Elementary School, Hino City, Japan)

Session : Parallel Session 03
Location : Room 4 - The Denpasar Ball Room
Moderator : Dr. M. Udin Harun Al Rasyid
Date : Tuesday, October 30th, 2018
Track : Applied-Computing Sciences
Topic : D3

Time	ID Paper	Title	Author(s)
10.30-10.45	1570486437	Visualization of Gathering Sources of News by Journalist	Hestiasari Rante, Muhammad Agus Zainuddin, Fardani Annisa Damastuti and Mudli'ul Wahdanyah (Politeknik Elektronika Negeri Surabaya, Indonesia)
10.45-11.00	1570486532	Auto Cropping For Application of Pancreas Abnormality Detection In Order To Recognize Diabetes Mellitus Through Iris Based on Mobile Devices	Entin Martiana Kusumaningtyas (Politeknik Elektronika Negeri Surabaya(PENS)-Indonesia, Indonesia); Ali Ridho Barakbah (Politeknik Elektronika Negeri Surabaya, Indonesia)
11.00-11.15	1570486835	Brain Tumor Segmentation to Calculate Percentage Tumor Using MRI	Annisa Wulandari, Riyanto Sigit and Mochamad Mobed Bachtiar (Politeknik Elektronika Negeri Surabaya, Indonesia)
11.15-11.30	1570486989	Learning Batik through Gaming	Hestiasari Rante (Politeknik Elektronika Negeri Surabaya, Indonesia); Mohamad Safroddin (PENS, Indonesia)
11.30-11.45	1570487055	Anomalous Data Detection in WBAN Measurements	M. Udin Harun Al Rasyid and Fajar Setiawan (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Isbat Uzzin Nadhori (Politeknik Elektronika Negeri Surabaya - Indonesia, Indonesia); Amang Sudarsono (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Ni'am Tamami (Politeknik Elektronika Negeri Surabaya, Indonesia)

Session : Parallel Session 03
Location : Room 5 - The Denpasar Ball Room
Moderator : Dr. Tessy Badriyah
Date : Tuesday, October 30th, 2018
Track : Knowledge Base and Engineering
Topic : E3

Time	ID Paper	Title	Author(s)
10.30-10.45	1570488512	Virtual Hand: VR Hand Controller Using IMU and Flex Sensor	Hilman Mochamad, Dwi Kurnia Basuki and Sritrusta Sukaridhoto (Politeknik Elektronika Negeri Surabaya, Indonesia)
10.45-11.00	1570488578	Implementation of Enterprise Resource Planning Development In Cosmetic Company Cosme Centre Surabaya	Kholid Fathoni and Festy Fildia Siswanto (Politeknik Elektronika Negeri Surabaya, Indonesia); Jauari Hasim (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)
11.00-11.15	1570489120	IUGR (Intra Uterine Growth Restriction) Diagnosis on the Pregnancy using Naive Bayes method	Tessy Badriyah (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Nadia Savitri (Politeknik Elektronika Negeri Surabaya, Indonesia); Umi Saadah (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)
11.15-11.30	1570472822	An Incremental Episodic Memory Framework for Robot Sensorimotor Map Building	Wei Hong Chin and Azhar Saputra (Tokyo Metropolitan University, Japan); Yuichiro Toda (Okayama University, Japan); Naoyuki Kubota (Tokyo Metropolitan University, Japan)
11.30-11.45	1570475293	Visualization of Time Series Change on GDP Per Electricity by Provinces in Indonesia	Yukari Shirota (Gakushuin University, Japan); Alfian Presekal (Universitas Indonesia, Indonesia); Riri Fitri Sari (University of Indonesia, Indonesia)

Session : Parallel Session 03
Location : Room 6 - The Jembrana Room
Moderator : Dr. Bima Sena Bayu Dewantara
Date : Tuesday, October 30th, 2018
Track : Computational Intelligence
Topic : F3

Time	ID Paper	Title	Author(s)
10.30-10.45	1570485825	Detection of Oil Condition on Motorcycle Based on Sound Signal Analysis	Febrina Syafitri, Endah Suryawati Ningrum and Zaqiatud Darojah (Politeknik Elektronika Negeri Surabaya, Indonesia)
10.45-11.00	1570486495	Faster R-CNN Implementation Method for Multi-Fruit Detection Using Tensorflow Platform	Hasan Basri (Politeknik Elektronika Negeri Surabaya, Indonesia); Iwan Syarif (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia); Sritrusta Sukaridhoto (Politeknik Elektronika Negeri Surabaya, Indonesia)
11.00-11.15	1570489024	Early Warning and IoT-based Reporting System for Mobile Trash Bin Robot Application	Kisron Kison and Bima Sena Bayu Dewantara (Politeknik Elektronika Negeri Surabaya, Indonesia); Fernando Ardilla (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)
11.15-11.30	1570477465	Tracks Record's Behaviour of Virtual Tawaf Simulation using A* Algorithm and RVO Sensor	Moh. Zikky (Politeknik Elektronika Negeri Surabaya); M Jainal Arifin and Kholid Fathoni (Politeknik Elektronika Negeri Surabaya, Indonesia)
11.30-11.45	1570477773	Developing Automatic Action Camera Holder using 3D Anaglyph for Creating 3D Video	Ragil Tawakal (Politeknik Elektronika Negeri Surabaya, Indonesia); Achmad Basuki (Politeknik Elektronika Negeri Surabaya, Indonesia); Akemad Ragel and Nur Wulandari (Politeknik Elektronika Negeri Surabaya, Indonesia)
11:45 - 12:00	1570481487	An Implementation of Data Exchange in Environmental Monitoring Using Authenticated Attribute-Based Encryption with Revocation	Munsiy Munsiy (Universitas Muhammadiyah Banjarmasin, Indonesia); Amang Sudarsono and M. Udin Harun Al Rasyid (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)

Session : Parallel Session 03
Location : Room 7 - The Tabanan Room
Moderator : Dr. Tri Harsono
Date : Tuesday, October 30th, 2018
Track : Applied-Computing Sciences
Topic : G3

Time	ID Paper	Title	Author(s)
10.30-10.45	1570487088	Cloud Satellite Image Segmentation using Meng Hee Heng K-Means and DBSCAN Clustering	Nailus Sa'ada, S (Politeknik Elektronika Negeri Surabaya, Indonesia); Tri Harsono (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia); Achmad Basuki (Politeknik Elektronika Negeri Surabaya, Indonesia)
10.45-11.00	1570487138	Fuzzy Logic and Exponential Smoothing for Mapping Implementation of Dengue Haemorrhagic Fever in Surabaya	Muhammad Mufid (Electronic Engineering Polytechnic Institute of Surabaya (EEPIS), Indonesia); Nilla Saginta Putri (Politeknik Elektronika Negeri Surabaya, Indonesia); Arna Fariza (Politeknik Elektronika Negeri Surabaya, Indonesia); Muarifin M (Politeknik Elektronika Negeri Surabaya, Indonesia)
11.00-11.15	1570487144	Visual-based trash detection and classification system for smart trash bin robot	Irfan Salimi and Bima Sena Bayu Dewantara (Politeknik Elektronika Negeri Surabaya, Indonesia); Iwan Kurnianto Wibowo (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)
11.15-11.30	1570488408	Online Video Conference System Using WebRTC Technology for Distance Learning Support	Akhmad Alimudin (Politeknik Elektronika Negeri Surabaya, Indonesia); Aliv Faizal Muhammad (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia)
11.30-11.45	1570488583	Gas Billing System based on Automatic Meter Reading on Diaphragm Gas Meter with Email Notification	Fuad Irhandi Wiratama, Moch Syaifuddin, Iwan Kurnianto Wibowo and Fernando Ardilla (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Andi Purnomo (PT. Citra Nusantara Energi, Indonesia)