

Joint Conferences Program Robionetics, IMACSI, ICIOT:

8 August 2018: Conference Registration & Workshop

09:00 – 17:00 Advanced PID Controller Tuning

09:00 – 17:00 2nd Port Automation Workshop: Communication-based container-truck control

9 August 2018: Conference

08:00 – 09:00 Registration

09:00 – 09:05 Opening

09:05 – 09:15 Safety Induction

09:15 – 09:20 Sing “Indonesia Raya”

09:20 – 09:25 Welcome speech from IEEE Indonesia CSS/RAS

09:25 – 09:30 Welcome speech from Chair conference IMACSI and opening

09:30 – 09:35 Photo Session

09:35 – 10:35 Keynote Speaker I, Prof. Dr. Ir. Mauridhi Hery Purnomo

10:35 – 10:50 Coffee Break

10:50 – 11:50 Keynote Speaker II, Dr. Ir. Djoko Sardjadi

11:50 – 13:00 Lunch Break

13:00 – 14:30 Parallel Session I (@15 min)

ROBIONETICS I:

Time	ID Paper	Author	Title
13:00-13:15	1570446966	Dhanny Haryanto, Kanisius Karyono , Samuel Hutagalung	The Comparison Between Geo-magnetism and WiFi for Indoor Positioning System for Public Places
13:15-13:30	1570456354	Ratih Nur Esti Anggraini , Trevor Martin	Capturing Requirement Correlation in Adaptive Systems
13:30-13:45	1570457208	Atmoko Rachmad Andri	Online Monitoring & Controlling Industrial Arm Robot Using MQTT Protocol
13:45-14:00	1570466649	Sutrisno , Widowati, R. Heru Tjahjana	Single Product Inventory Control Considering Unknown Demand Using Linear Quadratic Gaussian
14:00-14:15	1570469537	Augie Widyotriatmo, Joshua Julian Damanik , Dewi Retno Andriani	Flocking of Robots with Predictive Localization
14:15-14:30	1570471516	Farhan Ihsani , PUR, Agung Nugroho Jati, Randy Saputra	Orientation Searching on Multi Robot

IMACSI I:

Time	ID Paper	Author	Title
13:00-13:15	1570451048	Afrin Fauzya Rizana , Amelia Kurniawati, Rayinda Pramuditya Soesanto,	The Role of Individual Characteristic in Encouraging User Performance and Continuance Usage Decision of Enterprise System
13:15-13:30	1570457801	So-Young Kwon , Yong-Hwan Lee, Un-Ha Choi, Young-Hyung Kim, Seung-Mok Lee	Development of Automated Hand Drip Coffee Machine
13:30-13:45	1570466611	Hadi Safari , Kusprasapta Mutijarsa	Multilabel Classification Using Problem Transformation Approach and Machine Learning on Text Mining for Multiple Event Detection
13:45-14:00	1570458724	Putrifa Wirahayu Adi Muslimah , Saskia Dyah Choirida, Ahmad Dhiya Ulhaq Abdussamad, Rayinda Pramuditya Soesanto	Port Hub Location Selection Based on Mix Method in Eastern Indonesia
14:00-14:15	1570468170	Danang Widjajanto , Augie Widyotriatmo, Edi Leksono	Adequacy Assessment of Grid-Connected Nanogrid
14:15-14:30	1570469445	Orapadee Joochim , Saros Musikanun	Determination of Customer Requirements for Product Improvement of HDMI

IMACSI II:

Time	ID Paper	Author	Title
13:00-13:15	1570458153	Bagus Hanindhito, Fariz Azmi Pratama, Ulfah Nadiya	Rapid Evidence Remote Acquisition in High-Availability Server and Storage System for Digital Forensic to Unravel Academic Crime
13:15-13:30	1570458425	Asvary	Database Forensic: MySQL Log Analysis Using Trigger
13:30-13:45	1570459410	Zahir Zainuddin, Marsujitullah, Salama Manjang, Aksan Surya Wijaya	Rice Farming Growth Phase Detection Use Drone Based on SVM Histogram Image Clasification

13:45-14:00	1570469488	Sepha Siswantyo, Budi Rahardjo	Formal Specification of Secure Password Authentication Mechanism for PMIPv6 Using Tamarin Prover
14:00-14:15	1570462734	Mark Swailes	Automated Profile Control of a Single Pass Hot Rolling Mill
14:15-14:30	1570458508	Noldy Sinsu	Implementation of Web-Based Analytic Network Process for Highway Maintenance Planning

ICIIOT I:

Time	ID Paper	Author	Title
13:00-13:15	1570447117	Cutifa Safitri, Yoshihide Yamada, Sabariah Baharun, Shidrokh Goudarzi, Quang Ngoc Nguyen, Takuro Sato	An Intelligent QoS Architecture for Information-Centric Vehicular Networking
13:15-13:30	1570459087	Erwin Sitompul	Drowsiness Alarm Using Infrared Sensor as Mean of Accident Prevention
13:30-13:45	1570467597	Muhammad Syamsul Arifin , Augie Widyotriatmo, Endang Juliastuti	Switching Model of a Dynamic Social Network
13:45-14:00	1570468840	Leanna Vidya Yovita , Nana Rachmana Syambas, Ian Yosef	The Effect of Cache Partitioning and Sharing on Named Data Network
14:00-14:15	1570484484	Endra Joelianto , Herman Sutarto, Satria Ramadhan, Gilang Kuswana	Number of Vehicles and Travel Time Estimation on Urban Traffic Network Using Bayesian Network Model and Particle Filtering Method

14:30 – 15:00 Coffee Break

15:00 – 17:00 Parallel Session II (@15 min)

ROBIONETICS II:

Time	ID Paper	Author	Title
15:00-15:15	1570469523	Chanin Joochim	Development of Balancing Spherical Rolling Robot

15:15-15:30	1570471253	Emhemed Elbakush , Ahmad AlAleeli, Mohammad AlShawwaf, Nada Yahya	Design and Development of Seven-Axis Semi- Autonomous Robotic Arm Using Arduino Mega
15:30-15:45	1570474597	Augie Widyotriatmo, Muhammad Barri , S Suprijanto	Path Reference Generation for Upper-Limb Rehabilitation with Kinematic Model
15:45-16:00	1570469496	Irshad Hussain, Salman Ahmed, Hussain Haider, Amir Zaman	Improving Formation Accuracy of Un-Manned Air Vehicles with Feedback from Formation via Consensus
16:00-16:15	1570458041	Daxuan Cai, Xufeng Yao	Assessment of Diffusion Structural Network Characteristics for Alzheimer Disease
16:15-16:30	1570469327	Md. Nasfikur R. Khan	Health Guardian - A Subsidiary Android Application for Maintaining Sound Health
16:30-16:45	1570469370	Md. Nasfikur R. Khan, Faisal Bin Shahin, A Muneem Al Hasani, Anik Shekhar Dutta, SK Adif Farhan, Kuraish Bin Quader Chowdhury	Narration of the Revolution of Humanoid Robot

IMACSI II :

Time	ID Paper	Author	Title
15:00-15:15	1570469050	Paula Kristi Septiani, Fizri Adiyesa, Augie Widyotriatmo , Endra Joelianto	Nonlinear Switched Controller of an Autonomous Truck-Trailer for Virtual Line Follower Scheme
15:15-15:30	1570469430	Mohammad Khoiron , Abdullah Alkaff, Rusdhianto Effendie A. K.	Perseverance of Observability in Hovering Quadcopter Under Sensor Faults
15:30-15:45	1570476885	Arjon Turnip	Electric Wheelchair Controlled Based EMG with Backpropagation Neural Network Classifier
15:45-16:00	1570469516	Orapadee Joochim , Anusawat Ninlakarn	Technology Transfer Within an Electric Wire and Cable Manufacturer in Thailand

16:00-16:15	1570471146	Zalina Ayob	Does Human Behavior Be the Real Challenge in Phishing Email
16:15-16:30	1570473302	Orapadee Joochim, Chongmas Meekaew	Sales Forecasting for Aluminium Cable Standard Coil

ICIIOT II :

Time	ID Paper	Author	Title
15:00-15:15	1570469345	Augie Widyotriatmo, Rini Nur Fatimah, Adi Suparyanto, Yul Yunazwin	Multiple-Sensors-Fusion for Localization of a Container-Truck Using a Fast Particle Filter
15:15-15:30	1570475348	Mardi Turnip	Statistical Analysis of Sleep Quality from EEG Signal with Aromatic Stimuli
15:30-15:45	1570469509	Seno D Panjaitan, Aryanto Hartoyo, Bomo Wibowo Sanjaya, Rudi Kurnianto, Steven Pragestu	A Modeling Approach for Mobile Monitoring and Supervisory Control Development Based on Open-source Programming
15:45-16:00	1570483515	Arjon Turnip	Artefact Removal with ICA for 2D Brain Mapping of Drugs User before and after Taking Methadone
16:00-16:15	1570469587	Sangook Moon	Implementation of a 256-Bit Hardware Cryptosystem for Bitcoin ECDSA

10 August 2018: Social Event

09:00 – 11:30 Bandros Tour

11:30 – End Friday Pray at the Great Mosque Bandung