



# EECSI 2016 PROGRAM SCHEDULE

International Conference on Electrical Engineering, Computer Science and Informatics (EECSI 2016)  
Patra Jasa Semarang Convention Hotel, Indonesia

## WEDNESDAY 23<sup>rd</sup> November 2016

Time	Session
07.30 – 08.00	Registration
08.00 – 08.05	Opening
08.05 – 08.10	The reading of The Holy Al-Qur'an
08.10 – 08.30	Welcome Speech <ul style="list-style-type: none"> <li>• Director of IAES</li> <li>• Rector of UNISSULA</li> </ul>
08.30 – 08.40	MOU letter signature
08.40 – 08.50	Photo session
08.50 – 09.00	Coffee Break
<b>Keynote Speech</b>	
09.00 – 10.00	<b>Prof. Dr. Nadia Magnenat Thalmann</b> <i>Professor of Robotics &amp; Signal Processing, NTU Singapore and MIRALab University of Geneva, Geneva, Switzerland</i>
10.00 – 11.00	<b>Prof. Dr. Ali Selamat</b> <i>Professor of Computer Science , Faculty of Computing, Universiti Teknologi Malaysia</i>
11.00 – 12.00	<b>Dr. Ir. Pekik Argo Dahono</b> <i>Associate Professor of Power Electronics , Institute of Technology Bandung, Indonesia</i>
12.00 – 13.00	Lunch
<b>Parallel Presentation Sessions</b>	
13.00 – 14.40	Parallel Session 1
14.40 – 15.10	Coffee break
15.10 – 17.00	Parallel Session 2
<b>GALA DINNER</b>	
19.00 – 22.00	<ul style="list-style-type: none"> <li>• Welcome speech from EECSI 2016 chief</li> <li>• Conference awards for best paper and best presentation</li> <li>• Conference dinner</li> <li>• Closing ceremony</li> </ul>

## Thursday 24<sup>th</sup> November 2016

Time	Session
8:00 - 12.00	Workshop on Successful Journal Publication <i>"How to Extend Conference Paper to Journal Publication"</i> Speakers: <i>Assoc. Prof. Dr. Tole Sutikno</i> <i>Assoc. Prof. Moch Facta</i> <i>Dr. Munawar Riyadi</i>
14.00-15.00	<i>cultural program (city tours)*</i> <i>(*with additional arrangement)</i>

## PARALEL SESSION

ROOM 1				
Parallel Session 1				
No	Time	ID-Code	Title	Presenter
1	13:00-13:10	CAIR-153	Differential-Drive Mobile Robot Control Design based-on Linear Feedback Control Law	Siti Nurmaini Robotic and Control Research Lab. Computer Engineering Department Faculty of Computer Science Universitas Sriwijay
2	13:10-13:20	CAIR-154	Conveyor Performance based on Motor DC 12 Volt Eg-530ad-2f using K-Means Clustering	zaenal arifin ZaenalArifin, Sri Artini DP, Imam Much Ibnu Subroto Electrical Engineering Department, Universitas Islam Sultan Agung, Semarang, Indonesia
3	13:20-13.30	CAIR-161	A Positions Controller Models On Color-Based Object Tracking using Fuzzy Logic	Budi Wibowo Electrical Engineering Dept, Islamic Sultan Agung University, Semarang, Indonesia
4	13:30-13:40	CAIR-168	Investigation of Diesel's Residual Noise on Predictive Vehicles Noise Cancelling using LMS Adaptive Algorithm	Sri Arttini Prasetyowati Departement.of Electrical Engineering, Industrial Technology Faculty, Sultan Agung Islamic University
5	13:40-13:50	CAIR-170	Quadrotor Proportional-Derivative Regulation for Nonzero Set Point on SO(3) with Disturbance Compensation	Andreas Sandiwan Universitas Gadjah Mada
6	13:50-14:00	CAIR-177	A Study of Mobile Robot Control using EEG Emotiv Epoch Sensor	Timothius Yasin Petra Christian University Surabaya, Indonesia
7	14:00-14:10	CAIR-232	Comparison of PID and Fuzzy Controller for Position Control of AR.Drone	Agung Prayitno University of Surabaya, Indonesia
8	14:10-14:20	CAIR-236	WayBotDu: a low cost articulated arm platform for education	Sisdarmanto Adinandra Department of Electrical Engineering Faculty of Industrial Technology Universitas Islam Indonesia
9	14:20-14.30	CAIR-269	Control of Liquid Sloshing Container using Active Force Control Method	Didik Purnomo Politeknik Elektronika Negeri Surabaya, Indonesia
10	14:30-14:40	CAIR-317	Two-Link Flexible Robot Manipulator Control Using Sliding Mode Control Based Linear Matrix Inequality	Zulfatman Has University of Muhammadiyah Malang, Indonesia
14:40-15:10		Coffee Break		

Parallel Session 2				
11	15:10-15:20	CAIR-318	Position Tracking for Static Target using Burst Signals With Time Difference of Arrival Method	Romi Wiryadinata Department of Electrical Engineering, Universitas Sultan Ageng Tirtayasa
12	15:20-15:30	HVEI-200	Identification of electrical discharge on electric insulation material using acoustic emission method	Jannus Nainggolan University of Indonesia, Depok Indonesia
13	15:30-15:40	HVEI-311	Determination of Hydrophobic Contact Angle of Epoxy Resin Compound Silicon Rubber and Silica	Abdul Syakur Faculty of Engineering, Universitas Diponegoro
14	15:40-15:50	HVEI-312	Statistical Analysis of Reducing Biochemical Oxygen Demand (BOD) on Industrial Rubber Wastewater using Dielectric Barrier Discharge Plasma	Abdul Syakur Department of Environmental Engineering, Faculty of Engineering, Universitas Diponegoro
15	15:50-16:00	IIOT-147	Social Media Success for Academics Knowledge Sharing in Indonesia (Conceptual Model Development)	Setiawan Assegaff STIKOM Dinamika Bangsa
16	16:00-16:10	IIOT-148	Information Framework of Pervasive Real Time Monitoring System: Case of Peat Land Forest Fires and Air Quality in South Sumatera, Indonesia	Siti Nurmaini Robotic and Control Research Lab. Computer Engineering Department Faculty of Computer Science Universitas Sriwijay
17	16:10-16:20	IIOT-172	Designing Albaha Internet of Farming Architecture	Rahmat Budiarto Albaha University
18	16:20-16.30	IIOT-292	Detection Learning Style Vark for Out of School Children (OSC)	muhammad hasibuan University Gadjah Mada
19	16:30-16.40	IIOT-304	A Study of Developing Smart Campus Using Internet of Things Technology	Marti Widya Sari Universitas PGRI Yogyakarta
20	16:40-16.50	IIOT-313	Model of load balancing using reliable algorithm with multi-agent system	M Faizal Afriansyah Department of Electrical Engineering, Diponegoro University, Semarang
21	16:50-17.00	PEDS-300	Arduino Microcontroller-Based Sensorless Brushless DC Motor Drives using Simple Back-EMF Zero Crossing Detection Scheme	Tri Wahono Universitas Ahmad Dahlan
22	17:00-17:10	PEPS-315	Root Cause Failure Analysis of Stator Winding Insulation failure on 6.2 MW hydropower generator	Agus Adhi Nugroho Electrical Engineering Program Faculty of Industrial Technology, Sultan Agung
23	17:10-17.20	RESS-314	The Effects of Cells Temperature Increment and Variations of Irradiation for Monocrystalline Photovoltaic	Faishal Fuad Rahman Soeharto Department of Electrical Engineering, Diponegoro University, Semarang, Indonesia

## PARALEL SESSION

ROOM 2				
Parallel Session 1				
No	Time	ID-Code	Title	Presenter
1	13:00-13:10	ELPO-144	Automatic ECG Signal Analysis	Pratondo Busono Center for Information and Communication Technology
2	13:10-13:20	ELPO-203	Joule-Thief Circuit Performance for Electricity Energy Saving of Emergency Lamps	Eka Budisusila Sultan Agung Islamic University
3	13:20-13.30	ELPO-302	Development of Bio-impedance Analyzer (BIA) for Body Fat Calculation	Munawar Riyadi EE Dept, Universitas Diponegoro
4	13:30-13:40	ELWF-310	Evaluation of skew-planar antenna for UAV communication at 2.4 GHz band	Teguh Prakoso Universitas Diponegoro
5	13:40-13:50	RSDI-174	Water Pipeline Leakage Monitoring and Detection Using Flow Liquid Meter Sensor	Romi Fadilah Rahmat Department of Information Technology, Faculty of Computer Science and Information TechnologyUniversity of Sumatera Utara, Medan
6	13:50-14:00	RSDI-182	Design of IOT for Weather Monitoring	Tito Yuwono Islamic University of Indonesia
7	14:00-14:10	RSDI-266	Segmentation and classification models validation area mapping of peatlands as initial value of Fuzzy Kohonen Clustering Network	erwin erwin Sriwijaya University
8	14:10-14:20	SIVM-145	Design and Implementation of Digital Scan Conversion Algorithms for Medical Ultrasound Image Formation	Pratondo Busono Center for Information and Communication Technology
9	14:20-14.30	SIVM-152	Implementation of 128 bits Camellia Algorithm for Cryptography at Digital Image	Bagus Poetro Department of Informatics , Faculty of Industrial Technology, Sultan Agung Islamic University
10	14:30-14:40	SIVM-162	The Automation System Censor Speech for the Indonesian Rude Swear Words Based on Support Vector Machine and Pitch Analysis	Sukmawati Endah Informatics Department Universitas Diponegoro
	14:40-15:10	<b>Coffee Break</b>		

Parallel Session 2				
11	15:10-15:20	SIVM-251	Noise Reduction in Breath Sound Files Using Wavelet Transform Based Filter	Mohammad Fadly Syahputra Department of Information Technology, Faculty of Computer Science and Technology University of Sumatera Utara
12	15:20-15:30	SIVM-268	Tongue Segmentation Using Active Contour Model	Saparudin Masyarif Universitas Sriwijaya
13	15:30-15:40	SIVM-288	A Framework for Remote Monitoring System	Cahyo Crysdian Computer Science Department Universitas Islam Negeri Maulana Malik Ibrahim Malang
14	15:40-15:50	SIVM-289	Utilization of Digital Image Processing In Process of Quality Control The Primary Packaging of Drug Using Color Normalization Method	Danang Erwanto Magister Teknik Elektro, Fakultas Teknologi Industri Universitas Islam Sultan Agung “ Semarang, Indonesia
15	15:50-16:00	WITN-173	Optimizing Subgroups Formation for E-MBMS Transmissions in LTE Networks	Rahmat Budiarto Albaha University
16	16:00-16:10	WITN-175	The Performance Of SISO In Wireless Open-Access Research Platform (WARP) Using QAM Modulation	Jenny Hapsari Department of electrical Engineering, Sultan Agung Islamic University (UNISSULA)
17	16:10-16:20	WITN-199	Simulation Basaed Performance Determination in Ad-Hoc Wireless Routing Protocol	Muhammad Toufique Department of Communication Engineering, Huazhong University of Science and Technology, Wuhan, China
18	16:20-16.30	WITN-270	Electronic Device Web-Based Monitoring System using Atmega8535 Microcontroller	Alamsyah Zakaria Electrical Engineering program, Faculty of Engineering, Universitas Tadulako
19	16:30-16.40	WITN-320	Quality Test Of Flexible Flat Cable (Ffc) with Short Open Test using Law Ohm Approach Through Embedded Fuzzy Logic Based on Open Source Arduino Data Logger	Ajar Rohmanu Graduate Program of Master of Science in Computer Science, Budi Luhur University
20	16:40-16.50	SIVM-319	TheAnalysis of Alpha Beta Pruning and MTD(f) Algorithm to Determine the Best Algorithm to be Implemented at Connect Four Prototype	Lukas Tommy Graduate Program of Master of Science in Computer Science, Budi Luhur University

## PARALEL SESSION

ROOM 3				
Parallel Session 1				
No	Time	ID-Code	Title	Presenter
1	13:00-13:10	CNIS-193	Policy Formulation Crime "Cyber Crime" in Criminal Law Revision (Concept Of Bill Book Of Criminal Law (Penal Code New)	brav bernadhi Sultan Agung Islamic University
2	13:10-13:20	CNIS-197	Lightweight UDP Pervasive Protocol in Smart Home Environment Based on Labview	Wijaya Kurniawan Brawijaya University
3	13:20-13:30	CNIS-264	Cooperative Learning for Distributed In-Network Traffic Classification	Stephen Joseph Department of Electronics and Computer Engineering, Faculty of Electrical Engineering, Universiti Teknologi Malaysia
4	13:30-13:40	CNIS-285	Monitoring and Indetification Packet in Wireless With Deep Packet Inspection Method	Ahmad Oklilas Universitas Sriwijaya
5	13:40-13:50	HPCC-308	Implementation of Multipattern String Matching Accelerated with GPU for Intrusion Detection System	Rangga Nehemia Swiss German University
6	13:50-14:00	ARTS-250	Automatic Text Summarization for Indonesian Language Using Text Teaser	Dani Gunawan University of Sumatera Utara
7	14:00-14:10	ARTS-272	Organization Readiness and ERP Implementation in Albaha University	Rahmat Budiarto Albaha University
8	14:10-14:20	DDSE-1	Precise Wide Baseline Stereo Image Rectification	Edwin Tjahjadi Department of Geodesy-Geoinformatics, Institut Teknologi Nasional Malang, Indonesia
9	14:20-14:30	DDSE-142	Precise Wide Baseline Stereo Image Matching	Edwin Tjahjadi Department of Geodesy-Geoinformatics, Institut Teknologi Nasional Malang, Indonesia
10	14:30-14:40	DDSE-171	Optimizing it Infrastructure by Virtualization Approach	Jarot Suroso graduate program bina nusantara university
14:40-15:10		<b>Coffee Break</b>		

Parallel Session 2				
11	15:10-15:20	DDSE-192	Comparison of Various Similarity Measures for Average Image Hash in Mobile Phone Application	Sam Haviana Sultan Agung Islamic University
12	15:20-15:30	DDSE-246	Competencies in Software Engineering of Informatics Graduates at Coordinator of Higher Education Region (Kopertis III) Based on Final Assignment Evaluation	Kursehi Falgenti University of Indraprasta PGRI
13	15:30-15:40	DDSE-267	Real Time Monitoring System of Pollution Waste on Musi River Using Support Vector Machine (SVM) Method	Muhammad Fachrurrozi Informatics Department, Computer Science Faculty, University of Sriwijaya
14	15:40-15:50	DDSE-276	Fast Learning for Big Data Using Dynamic Function	Rahmat Budiarto Albaha University
15	15:50-16:00	DDSE-295	Design of Knowledge Management System for Diabetic Complication Diseases	Cut Fiarni Department of Information System, Institut Teknologi Harapan Bangsa (ITHB)
16	16:00-16:10	DDSE-301	Designing Business System Model using System Modeling Approach to the Small and Medium Industries (SMI) Furniture in Indonesia	Irwan Sukendar Industrial Engineering, Universitas Islam Sultan Agung, Semarang, Indonesia
17	16:10-16:20	DDSE-305	Academic Decision Support System for Choosing Information System Sub Majors Using Decision Tree Algorithm	Cut Fiarni Department of Information System, Institut Teknologi Harapan Bangsa (ITHB)
18	16:20-16:30	DDSE-307	Density Based Plagiarism Detection	Imam Much Ibnu Subroto Data Mining Lab, Universitas Islam Sultan Agung, Indonesia
19	16:30-16:40	DDSE-309	Implementation Decision Expert (DEX) on "GARDEN SALAD" Application	anita hidayati Jakarta State Polytechnic
20	16:40-16:50	ICTE-181	Developing Control System of Electrical Devices with Operational Expense Prediction	Siti Sendari Universitas Negeri Malang
21	16:50-17:00	ICTE-321	A Framework for Measuring Participant of Online Discussion: Analyzed Based on QLF	Dahliyusmanto Department of Informatics Engineering, Faculty of Engineering, Universitas Riau