

PROGRAM AT A GLANCE

Wednesday, 08 November 2017

08.00 – 08.35	Registration			
08.35 – 09.00	Welcome Coffee Break			
09.00 - 10.00	Room: Jogjakarta Hall			
	Opening Ceremony			
	1	Hira Meidia, Ph.D General Chair of The 4th CONMEDIA 2017		
	2	Assoc. Prof. Dr. Hugeng General Chair of ICON-SONICS 2017		
	3	Dr. Ninok Leksono, M.A. Rector of Universitas Multimedia Nusantara		
	4	Michael Freiherr von Ungern-Sternberg Ambasador of the Federal Republic of Germany to Indonesia, ASEAN and Timor-Leste		
	5	Dr. Irene Jansen Director of the DAAD Regional Office Jakarta		
6	Prof. Dr. Fitri Yuli Zulkifli, ST., MSc., IPM., SMIEEE Chairman of IEEE Indonesia Section			
10.00 - 12.00	Room: Jogjakarta Hall			
	Keynote Speaker 1 Prof. Paulo LISBOA (Liverpool John Moores University, United Kingdom) Big data for decision support in digital marketing and healthcare Keynote Speaker 2 Prof. Dr.-Ing. Norbert Schwesinger (Technische Universität München, Germany) Energy Harvesting as One Perspective Power Supply for Smart Sensors			
12.00 - 13.00	Lunch			
13.00 - 15.00	Parallel Sessions I & II			
	Room: Jogja. Hall	Room: Sida Mukti	Room: Sida Mulya	Room: Sida Asih
	Track: Network and Systems	Track: Software Engineering	Track: Computational Intelligence	Track: Mobile Technology & Applications
	X-1-A-1 X-1-A-2 X-1-A-3	X-1-B-1 X-1-B-2 X-1-B-3	X-1-C-1 X-1-C-2 X-1-C-3	X-1-D-1 X-1-D-2 X-1-D-3
	Track: System Analysis and Design	Track: System Analysis and Design	Track: Control Systems	Track: Application and Business Intelligence
	X-2-A-1 X-2-A-2 X-2-A-3	X-2-B-1 X-2-B-2 X-2-B-3	X-2-C-1 X-2-C-2 X-2-C-3	X-2-D-1 X-2-D-2 X-2-D-3
15.00 – 15.15	Coffee Break			
15.15 – 17.15	Parallel Sessions III & IV			
	Room: Jogjakarta Hall	Room: Sida Mukti	Room: Sida Mulya	Room: Sida Asih
	Track: Embedded Systems and Communication	Track: Application and Business Intelligence	Track: Data Mining & Analytics	Track: Data Mining & Analytics
	X-3-A-1 X-3-A-2 X-3-A-3	X-3-B-1 X-3-B-2 X-3-B-3	X-3-C-1 X-3-C-2 X-3-C-3	X-3-D-1 X-3-D-2 X-3-D-3
		Track: Monitoring technologies	Track: Modeling and simulation of smart cities	Track: System Analysis & Design
		X-4-B-1 X-4-B-2 X-4-B-3	X-4-C-1 X-4-C-2 X-4-C-3	X-4-D-1 X-4-D-2 X-4-D-3
19.00 - 20.30	Room: Jogjakarta Hall Gala Dinner			

Thursday, 09 November 2017

08.00 - 09.00	Registration			
09.00 - 09.30	Welcome Coffee Break			
09.30 - 11.30	Room: Jogjakarta Hall			
	Keynote Speaker 3 Prof. Kunio Kondo (Tokyo University of Technology, Japan) Content production technology based on Media Science Keynote Speaker 4 Prof. Dr. rer. nat. Alexander Ferrein (FH Aachen, Germany) Challenges for Intra-logistic Robots in the RoboCup Logistics League and beyond			
11.30 - 12.00	Patronage Profile: PT Nusa Network Prakasa Budi Agung Cahyadi , M.kom Save a Secure Your Bussines			
12.00 - 13.00	Lunch			
13.00 - 15.00	Parallel Sessions I & II			
	Room: Jogja. Hall	Room: Sida Mukti	Room: Sida Mulya	Room: Sida Asih
	Alumni DAAD Gathering	Track: Mobile Technology	Track: Image Processing & Neural Networks	Track: Digital Art & Design
		Y-1-B-1	Y-1-C-1	Y-1-D-1
		Y-1-B-2	Y-1-C-2	Y-1-D-2
		Y-1-B-3	Y-1-C-3	Y-1-D-3
Track: Embedded Systems and Communication	Track: Energy Efficient Technologies	Track: Computational Science and Technology		
Y-2-B-1	Y-2-C-1	Y-2-D-1		
Y-2-B-2	Y-2-C-2	Y-2-D-2		
Y-2-B-3	Y-2-C-3	Y-2-D-3		
Y-2-D-4				
15.00 - 15.15	Coffee Break			
15.15 - 16.15	Parallel Sessions III & IV			
	Room: Jogja. Hall	Room: Sida Mukti	Room: Sida Mulya	Room: Sida Asih
	Track: Digital Art & Design	Track: Smart buildings & Automations	Track: Health, e-Health, Biomedical	Track: Interactive Media Design
	Y-3-A-1	Y-3-B-1	Y-3-C-1	Y-3-D-1
Y-3-A-2	Y-3-B-2	Y-3-C-2	Y-3-D-2	
Y-3-A-3	Y-3-B-3	Y-3-C-3	Y-3-D-3	
16.15 - 16.30	Closing Ceremony			

Friday, 10 November 2017

08.00 - 17.00	Tour de Jogjakarta
	Meeting Point at Santika Premiere Jogja Hotel's Lobby

Wednesday, 08 November 2017

13:00 – 14:00

Paper ID	Title
X-1-A-1 1570375986	Performance Comparison of Wi-Fi and LTE for Internet of Things over Named Data Networking
X-1-A-2 1570391113	A Scalable and Reconfigurable Verification and Benchmark Environment for Network on Chip Architecture
X-1-A-3 1570397069	Evaluation of Behavior Estimation Using Ward's Method in Multifunction Outlet System

Paper ID	Title
X-1-B-1 1570366938	Implementation of C4.5 Algorithm to Determine Hospital Readmission Rate of Diabetes Patient
X-1-B-2 1570395896	Algorithm Comparison Performance in Assessing the Quality of University Websites
X-1-B-3 1570383650	An Integrated Tool to Support Early-Phase Requirements Analysis

Paper ID	Title
X-1-C-1 1570398358	Toward to An Exaggeration Engine for Facial Animation: Evaluating the Difference of RBF Implementation in Expression-Marker Transfer
X-1-C-2 1570399823	Toward a Dynamic Disaster Decision Support System in Citarum River Basin: FEWEAS Citarum
X-1-C-3 1570396902	Performance Analysis of Conventional Moving Average Methods in Forex Forecasting

Paper ID	Title
X-1-D-1 1570395781	Assembly Instruction with Augmented Reality on Android Application "Assembly With AR"
X-1-D-2 1570397080	Phatsa: A Web-Based Application for Forecasting using Conventional Moving Average Methods
X-1-D-3 1570396196	Integration of Google Map in Android "Shop Alliance"

14:00 – 15:00

Paper ID	Title
X-2-A-1 1570382856	IT Governance Evaluation on Educational Institutions based on COBIT 5.0 Framework
X-2-A-2 1570384148	Maturity Levels of Academic Information Services of Higher Education Using IT Governance
X-2-A-3 1570401524	A Dempster-Shafer Approach to an Expert System Design in Diagnosis of Febrile Disease

Paper ID	Title
X-2-B-1 1570381197	Factors Affecting Procrastination in the Virtual Teams: An Experimental Research Approach Based on the Theory of Planned Behavior
X-2-B-2 1570388394	Implementation of Decision Support System for Campus Promotion Management using Fuzzy Multiple Analytic Decision Making (FMADM) Method (Case Study: Universitas Multimedia Nusantara)
X-2-B-3 1570384005	Knowledge-based Systems in Decision Support Context: A Literature Review

Paper ID	Title
X-2-C-1 1570376099	DC Source-based Stand-alone Microgrid Control using I-PD Scheme for a MIMO System
X-2-C-2 1570398504	Navigation System for Smartphone-based Autonomous Underwater Vehicle
X-2-C-3 1570393404	Development of a Control System for Human Follower Quadcopter

Paper ID	Title
X-2-D-1 1570393078	Application Software for Learning CPU Process of Interrupt and I/O Operation
X-2-D-2 1570393433	The Design of Mobile Indoor Robot Guidance System
X-2-D-3 1570396531	Open Sourcing Proprietary Application, Case Study: KIRI Website

15:15 – 16:15

Paper ID	Title
X-3-A-1 1570403330	Fish Freshness Classification Method based on Fish Image using k-Nearest Neighbor
X-3-A-2 1570396626	Crowd Evacuation using Multi-Agent System with Leader-Following Behaviour
X-3-A-3 1570378300	Towards Indonesian Speech-Emotion Automatic Recognition (I-SPEAR)

Paper ID	Title
X-3-B-1 1570396201	Cost Benefit Analysis of MVNO Business Models for LTE 4G Services in Bandung City
X-3-B-2 1570382527	Improvement of Term Weight Result In The Information Retrieval Systems
X-3-B-3 1570396576	Determining Single Tuition Fee Of Higher Education In Indonesia : A Comparative Analysis Of Data Mining Classification Algorithms

Paper ID	Title
X-3-C-1 1570396795	Logistic Regression Ensemble to Classify Alzheimer Gene Expression
X-3-C-2 1570354875	Dwipa Ontology II: A Semi-Automatic Ontology Population Process for Bali Tourism Based on the Ontology Population Methodology
X-3-C-3 1570351597	Manchester United Soccer Team News Classification Using Support Vector Machine

Paper ID	Title
X-3-D-1 1570396925	New Traders' Mood when using Trading Online Application; Case Study: New Traders in Universitas Multimedia Nusantara
X-3-D-2 1570392443	From Knowledge Society towards Religious Wisdom Community: Understanding ICT in Islamic Perspective
X-3-D-3 1570396852	Analyzing Factors Influencing Behavior Intention to Use Snapchat and Instagram Stories

16:15 – 17:15

Paper ID	Title
X-4-B-1 1570397286	Software Requirement Specification of Intelligent System for Monitoring and Preventing Smartphone Addiction
X-4-B-2 1570398422	Design and Implementation of an Automated Security System using Twilio Messaging Service
X-4-B-3 1570399452	Leverage Intrusion Detection System Framework For Cyber Situational Awareness System

Paper ID	Title
X-4-C-1 1570397948	Optimizing ecosystem services of urban green spaces based on integer programming approach
X-4-C-2 1570399825	Priority maintenance of drinking water network and environmental factors
X-4-C-3 1570404450	Comparative Performance Testing of Solar Panels for Smart City Micro-grids

Paper ID	Title
X-4-D-1 1570384115	Data Mining of Nuclear Family, School, and Society Environments Influences to Student Performance
X-4-D-2 1570396850	Data Visualization of Poverty Level at Provinces in Indonesia from the Year 2013-2015
X-4-D-3 1570397064	Analysis and Development of Interface Design on Dki Jakarta and Tangerang'Sqlue Application Based on Don Norman's 6 Design Principles

Thursday, 09 November 2017

13:00 – 14:00

Paper ID	Title
Y-1-B-1 1570385566	The Implementation of Eigenface Algorithm for Face Recognition in Attendance System
Y-1-B-2 1570389943	The Mediation Effect of Intrinsic and Extrinsic Motivation on Generation Y: An Analysis of Mobile Advertising Attitudes
Y-1-B-3 1570393402	Multi-Floor Indoor Positioning Mobile Application using Earth's Magnetic Field (Case Study: Universitas Multimedia Nusantara)

Paper ID	Title
Y-1-C-1 1570397048	Digital Image Signature using Triple Protection Cryptosystem (RSA, Vigenere, and MD5)
Y-1-C-2 1570398436	Histogram Peak Ratio-Based Binarization for Historical Document Image
Y-1-C-3 1570354249	Handwritten Digits Recognition using Ensemble Neural Networks and Ensemble Decision Tree

Paper ID	Title
Y-1-D-1 1570387326	Identification of 2:3:5 Ratio as a Simple Visual Composition Technique on Website and Android Application Mobile User Interface
Y-1-D-2 1570397041	Character Designing with Visual Approach for Puppet Animation in A Hybrid Short Animation "Ihan"
Y-1-D-3 1570396919	Visualization of an Animated Documentary with a Hybrid Animation Techniques in "Broken Faith"

14:00 – 15:00

Paper ID	Title
Y-2-B-1 1570396846	Software-based Turbo Decoder Implementation on Low Power Multi-Processor System-on-Chip for Internet of Things
Y-2-B-2 1570394686	Comparison Analysis Of Passive Repeater Links Prediction Using Methods: Barnett Vigants& ITU Models
Y-2-B-3 1570397178	Smart Fridge Design using NodeMCU and Home Server based on Raspberry Pi 3

Paper ID	Title
Y-2-C-1 1570395812	Development of Street Lights Controller Using Wifi Mesh Network
Y-2-C-2 1570375378	Study of Smart Illumination Control System with M2M Communication Technology
Y-2-C-3 1570399526	Power Meter Monitoring for Home Appliances Based on Mobile Data Communication

Paper ID	Title
Y-2-D-1 1570388828	Security System With 3 Dimensional Face Recognition Using PCA Method and Neural Networks Algorithm
Y-2-D-2 1570396184	Fuzzy Controller Design with Fuzzy Equations and Z-Numbers
Y-2-D-3 1570385905	Drone Ad-Hoc Networks (DRANETs): A Critical Review
Y-2-D-4 1570397068	Detection Irregular Behavior in Room Using Environmental Sensors and Power Consumption of Home Appliances Learning in HMMs

15:15 – 16:15

Paper ID	Title
Y-3-A-1 1570396929	Data Visualization Indicator Disease (Malaria, Dengue Fever, and Measles) and the Availability of Indonesia Hospital and Medical Personnel in the Year 2012-2015
Y-3-A-2 1570397050	"Splunk" Cave Exploration Games:Adaptation of Anticipatory Responses into Game Level Design
Y-3-A-3 1570405058	Tionghoa Decoration Motifs Adaptation in Property Design in Animated Film "Cio Tao"

Paper ID	Title
Y-3-B-1 1570398623	Recurrent Neural Networks Model for WiFi-based Indoor Positioning System
Y-3-B-2 1570398621	Implementation of Air Conditioning Control System Using REST Protocol Based on NodeMCU ESP8266
Y-3-B-3 1570399451	Simple biosensor using biochip-G for detection of dissolved oxygen produced from the algae <i>Chlorella vulgaris</i> photosynthesis mechanism

Paper ID	Title
Y-3-C-1 1570397915	Implementation of Kalman Filter Method for Tracking Position of Alzheimer's Patients
Y-3-C-2 1570389520	3D Colour Marker Based Tracking of Surgical Tool in Image-Guided Surgery
Y-3-C-3 1570395057	Needle Force Insertion Modeling based on Comparison of Ex-Vivo Tissue and Phantom Tissue

Paper ID	Title
Y-3-D-1 1570387089	UI/UX Analysis & Design For Mobile E-Commerce Application Prototype on Gamedia.com
Y-3-D-2 1570383868	Sinergy of Art and Animation Technology in Multimedia Performance Art Creation Entitled Sad Ripu
Y-3-D-3 1570396966	Panawa Animation Movement Design: Rat Character with Human Personality