

TECHNICAL PROGRAM
ICoICT 2014
May 28-30, 2014

Wednesday, May 28, 2014

	Ballroom A	Ballroom B	Ayodia A	Ayodia B	Ayodia C
07.30-08.30	Registration				
08.30-09.20	Opening				
09.30-10.30	Keynote 1				
10.30-10.50	Coffee Break				
10.50-12.30	I-1 Chair: Goh Kah Ong Michael	I-2 Chair: Rina Puji Astuti	S-1 Chair: Ani Liza Asnawi	A-1 Chair: Rimba Whidiana Ciptasari	C-1 Chair: Johanna Hariandja
12.30-13.30	Lunch				
13.30-15.10	Tutorial 1 Chair: Hertog Nugroho	I-3 Chair: Erna Sri Sugesti	S-2 Chair: Johanna Hariandja	A-2 Chair: Suresh Sankaranarayanan	C-2 Chair: Adiwijaya
15.10-15.30	Coffee Break				
15.30-17.10	Tutorial 2 Chair: Ari Moesriami Barmawi	I-4 Chair: Lau Siong Hoe	S-3 Chair: Dedy Sushandoyo	A-3 Chair: Ong Thian Song	C-3 Chair: Agung Tri Setyarso

Thursday, May 29, 2014

	Ballroom A	Ballroom B	Ayodia A	AyodiaB	Ayodia C
08.00-09.00	Registration				
09.00-10.00	Keynote 2				
10.00-10.20	Coffee Break				
10.20-12.00	Tutorial 3 Chair: Fiky Yosef Suratman	I-5 Chair: Maman Abdurohman	S-4 Chair: Wan Abdul Rahim Wan Mohd Isa	A-4 Chair: Wikan Danar Sunindyo	C-4 Chair: The Houw Liong
12.00-13.00	Lunch				
13.00-14.40	Tutorial 4 Chair: Bayu Erfianto	I-6 Chair: Erwin Susanto	S-5 Chair: Rizal Isnanto	A-5 Chair: Roberto Montemanni	C-5 Chair: Deni Saipudin
14.40-15.00	Coffee Break				
15.00-16.40			S-6 Chair: Dedy Sushandoyo	A-6 Chair: Gerfried H. Cebrat	I-7 Chair: I Gede Puja Astawa
18.00-21.00	Gala dinner				

Friday, May 30, 2014

	Ballroom A	Ballroom B
08.00-08.30	Morning Coffee	
08.30-10.30	Panel Chair: Dana S. Kusumo	
10.30-10.45	Closing	
10.45-11.00	Brunch	

KEYNOTES

Keynote 1	IoT: Emerging Trend of Sensing, Computing and Communication Prof. Teddy Mantoro
Keynote 2	Advancements of Automatic Identification Technology Prof. Jin Mitsugi

TUTORIALS

Tutorial 1	TRIZ-Based Creative Problem Solving Dr. Lau Siong Hoe Biometric Template Security and Privacy Dr. Ong Thian Song Multimedia University, Malaysia
Tutorial 2	Essential of Network RFID and Barcode Prof. Jin Mitsugi Keio University, Japan
Tutorial 3	Biometric Technology: What, Why, and How Prof. Goh Kah Ong Michael Multimedia University, Malaysia
Tutorial 4	Agent Based Mobile Ubiquitous Computing Prof. Dr. Suresh Sankaranarayanan, SMIEEE Brunei Institute of Technology, Brunei

Panel

<p>Internet of Things in Indonesia</p> <p>Alfred Boediman, Ph.D Vice President Samsung Research and Development Institute Indonesia (SRIN) <i>Internet of Things: Infrastructure and Application</i></p> <p>Risman Adnan Developer and Platform Evangelism Lead-Microsoft Indonesia <i>Creating the Internet of Your Things: Application and Computation</i></p> <p>Prio Utomo Cisco's Subject Matter expert for Industry <i>The IoT and the Internet of Everything</i></p> <p>Dr. Ing. Ir. Suhardi, MM Associate professor, Bandung Institute of Technology <i>Implementing IT Value using Enterprise Architecture and Strategis Alignment Maturity Model</i></p>

LIST OF PAPERS

Session	#	Title	Registered Author
A-1	A-11	<i>NFC Enabled Intelligent Hospital Appointment and Medication Scheduling</i>	Sankaranarayanan Suresh
	A-12	<i>Audit of Health Agency for Supporting an e-Health Management System (EHMS) Case Study: Ciparay Health Center, Bandung</i>	Riezka Amalia Faoziah
	A-13	<i>Low Cost Heart Beat Monitoring Device Using Bluetooth</i>	Ridza Ramlee
	A-14	<i>Development of a Real-Time Nudity Censorship System on Images</i>	Satrio Dewantono
A-2	A-21	<i>Mobility Enhancement of Patients Body Monitoring Based on WBAN with Multipath Routing</i>	Nastoo TaherJavan
	A-22	<i>RFID-Microcontroller Based Wireless Medical Record</i>	Fitriani Hamzah
	A-23	<i>Iridology-Based Dyspepsia Early Detection Using Linear Discriminant Analysis and Cascade Correlation Neural Network</i>	Mahmud Sulistiyo
	A-24	<i>Embedded Gateway Services for Internet of Things Applications in Ubiquitous Healthcare</i>	Mohd. Fadlee A. Rasid
A-3	A-31	<i>The Design of Knowledge Management System Model for SME (UKM) (Phase 2 - The Pilot Implementation in IT SMEs)</i>	Yuliana Lisanti
	A-32	<i>Minimax Guided Reinforcement Learning for Turn-based Strategy Games</i>	Sulaeman Santoso
	A-33	<i>Smart Automation for Credit Point Compilation of Instructor</i>	Cahyani Windarto
	A-34	<i>Improving Perception of Invisible Phenomena in Undergraduate Physics Education Using ICT</i>	Lakshmi Bose

Session	#	Title	Registered Author
A-4	A-41	<i>On the Experiment of Multi Camera Tracking Using Kalman Filter and FOV Lines</i>	Bedy Purnama
	A-42	<i>Secure Web Based Home Automation Application Layer Based Security Using Embedded Programmable Logic Controller</i>	Gerfried H. Cebrat
	A-43	<i>Pragmatic Web as a Service Provider for the Internet of Things</i>	Bambang P urnomosidi
	A-44	<i>Design of a Dual-microcontroller Scheme to Overcome the Freeze Problem for a Smart Data Logger</i>	Oka Mahendra
A-5	A-51	<i>Environmental Design: A Discussion About Augmented Reality Signaling Systems in Urban Environment</i>	Beatriz Pacheco
	A-52	<i>Research and Application of Route Guidance Technology for the Visually Impaired Using Smart Stick in Intelligent Transportation Systems</i>	Min Ho Paek
	A-53	<i>Improving the Accuracy of Real-Time Traffic Data Gathered by the Floating Car Data Method</i>	Fajar Chandra
	A-54	<i>Automatic Musical Genre Classification of Audio Using Hidden Markov Model</i>	Ledy Novamizanti
A-6	A-61	<i>Wireless Sensor Network for Prototype of Fire Detection</i>	Raditya Nugroho
	A-62	<i>Mobile Enabled Bus Tracking and Ticketing System</i>	Sankaranarayanan Suresh
	A-63	<i>Analysis of E-Toll Card Usage At PondokRanji Tollgate</i>	Andry Panjaitan
	A-64	<i>Location Finder Using Augmented Reality for Railways Assistance</i>	Ary Mazharuddin Shiddiqi
C-1	C-11	<i>Development of Requirement Elicitation Model for Prediction of Student Achievement in University</i>	Adam M. Bachtiar
	C-12	<i>Learning to Rank for Top Mobile Games Prediction</i>	Alfian Ramadhan
	C-13	<i>Big-Data Security Management Issues</i>	Marisa Paryasto
	C-14	<i>Conceptual Framework for High-End Graphical Password</i>	Tze Hui Liew
C-2	C-21	<i>Mining Frequent Pattern with Attribute Oriented Induction High Level Emerging Pattern (AOI-HEP)</i>	Harco Leslie Hendric Spits Warnars
	C-22	<i>Characterizing Corporate Network Traffic Beyond Bandwidth</i>	Lukas Tanutama
	C-23	<i>A Framework of Conversational Recommender System Based on User Functional Requirements</i>	Zk Baizal
	C-24	<i>Rainfall Prediction in Kemayoran Jakarta Using Hybrid Genetic Algorithm (GA) and Partially Connected Feedforward Neural Network (PCFNN)</i>	Septian Nurcahyo
C-3	C-31	<i>Constructing Irislet: a New Wavelet Type Which Matched for Iris Image Characteristics</i>	R Rizal Isnanto
	C-32	<i>Recognition of a Human Behavior Pattern in Paper Rock Scissor Game Using Backpropagation Artificial Neural Network Method</i>	Tjeng Cenggoro
	C-33	<i>Image Compression Using Improved Five Modulus Method</i>	Kurniawan Ramadhani

Session	#	Title	Registered Author
	C-34	<i>Texture Feature Extraction Using Co-Occurrence Matrices of Sub-Band Image for Batik Image Classification</i>	Yuda Munarko
C-4	C-41	<i>Long Term Predictions of Economic Crisis in Indonesia Using System Dynamic Model Optimized by Adaptive Genetic Algorithm</i>	Fajri Umbara
	C-42	<i>Handling Imbalanced Data in Customer Churn Prediction Using Combined Sampling and Weighted Random Forest</i>	Veronikha Effendy
	C-43	<i>Predicting and Clustering Customer to Improve Customer Loyalty and Company Profit</i>	Judi Alhilman
	C-44	<i>Time Series Prediction of Economic Indicators in Indonesia Using Differential Dynamic Optimized by Genetic Algorithm</i>	Siti Sa'adah
C-5	C-51	<i>Performance Efficiency in Plagiarism Indication Detection System Using Indexing Method with Data Structure 2-3 Tree</i>	Agung Wibowo
	C-52	<i>Comparison of Modified Kneser-Ney and Witten-Bell Smoothing Techniques in Statistical Language Model of Bahasa Indonesia</i>	Ismail Rusli
	C-53	<i>Experiments on the Indonesian Plagiarism Detection Using Latent Semantic Analysis</i>	Sidik Soleman
	C-54	<i>Extraction and Classification of Rhetorical Sentences of Experimental Technical Paper Based on Section Class</i>	Afrida Helen
I-1	I-11	<i>Improving Intrusion Detection System Based on Snort Rules for Network Probe Attack Detection</i>	Nattawat Khamphakdee
	I-12	<i>An Implementation of Data Encryption for Internet of Things Using Blowfish Algorithm on FPGA</i>	Denny Darlis
	I-13	<i>Study of SIR for Designing Filters with Arbitrary Resonant Positions</i>	Mudrik Alaydrus
	I-14	<i>Identification of Process-based Fraud Patterns in Credit Application</i>	Solichul Huda
I-2	I-21	<i>PAPR Comparison of OWDM and OFDM System</i>	Yuyun Rohmah
	I-22	<i>Analysis of Reflectarray Unit Cell with Capacitive Effect</i>	Marlina Ramli
	I-23	<i>Investigation of Channel Bonding Based on TV White Space Spectrum Occupancy for Urban Areas in Malaysia</i>	Razimah Abdul Rahim
	I-24	<i>Performance Analysis of AoE-SAN Using Bonding Interface Over RAID</i>	Tody Wibowo
I-3	I-31	<i>Performance Evaluation of VoC Network Through DNS Server</i>	Rendy Munadi
	I-32	<i>Low Complexity of Computational Cost of RF Signal Processing Based Diversity Scheme for MIMO-OFDM Systems</i>	I Gede Puja Astawa
	I-33	<i>A Configurable and Low Complexity Hard-Decision Viterbi Decoder in VLSI Architecture</i>	Rachmad Vidya Wicaksana Putra
	I-34	<i>A Branch and Bound Approach to Permutation Codes</i>	Roberto Montemanni

Session	#	Title	Registered Author
I-4	I-41	<i>Inter-Carrier Interference Reduction in Broadband Wireless Access Technology Using Extended Kalman Filter</i>	Asri Diliyanzah
	I-42	<i>Analysis of Low Pass Filter Using Nonhomogeneous Transmission Lines</i>	Mudrik Alaydrus
	I-43	<i>Solar Panel and Battery Street Light Monitoring System Using GSM Wireless Communication</i>	Simon Siregar
	I-44	<i>Search Method Analysis of Occurrence Data Call Drop in CDMA 2000-1x EV-DO Rev.A Network</i>	Uke Kurniawan

I-5	I-51	<i>Concept Implementation of Sole Module for Software-based UL Subframe Mapping Method on a TDD WiMAX IEEE 802.16e-based Subscriber Station</i>	Arthur Silitonga
	I-52	<i>Design of an FPGA-Based OFDM-STBC Transceiver for WiMAX 802.16e Standard</i>	Sugondo Hadiyoso
	I-53	<i>A Pattern Reconfigurable Short-Circuited Circular Patch Antenna Design Based on Genetic Algorithm</i>	Dwi Nurmantris
	I-54	<i>Firefly Inspired Energy Aware Cluster Based Tree Formation in WSN</i>	K L V Sai Prakash Sakuru
I-6	I-61	<i>Performance Analysis of Scaled Switching Technique for Cooperative Diversity Systems</i>	Mandha Damodaran Selvaraj
	I-62	<i>Performance Evaluation Coarse Time Synchronization of OFDM System Under COST 207 Multipath Channel Model</i>	Suyoto Suyoto
	I-63	<i>Evaluation of X2-Handover Performance Based on RSRP Measurement with Friis Path Loss Using Network Simulator Version 3 (NS-3)</i>	Muhamad Assyadzili
	I-64	<i>Mechanism Performance Evaluation of Access User in Ofdma Femtocell</i>	Raphel Nadeak
I-7	I-71	<i>A HOS Based Spectrum Sensing for Cognitive Radio in Noise of Uncertain Power</i>	Agus Subekti
	I-72	<i>A Flexible Threshold Selection and Fault Detection Method for Health Monitoring of Offshore Wind Farms</i>	Deepshikha Agarwal
	I-73	<i>Information Technology (IT) Value Model Using Variance-Based Structural Equation Modeling: Towards IT Value Engineering</i>	Lukman Abdurrahman
	I-74	<i>Realizing the Quality of Service (QoS) in Software-Defined Networking (SDN) Based Cloud Infrastructure</i>	Kannan Govindarajan
S-1	S-11	<i>Information Security Readiness of Government Institutions in Indonesia</i>	Kautsarina Kautsarina
	S-12	<i>Security Vulnerabilities in Open Source Projects: An India Perspective</i>	Sreekutty SudhaRavi
	S-13	<i>The Relationship of Password Created and Habit Among Undergraduate Students</i>	Norizan Anwar
	S-14	<i>Anomaly Detection on Intrusion Detection System Using Clique Partitioning</i>	Nungky Nasta'iinullah
S-2	S-21	<i>Effectiveness Evaluation Model Design of Customer Relationship Management Using Balanced Scorecard: Case Study XYZ</i>	Amarilis Yanuarifiani
	S-22	<i>Understanding Government E-Procurement Effectiveness From Users' Perspectives: A Case of Social Media Discussion in Indonesia Local Government</i>	Nurdin Nurdin
	S-23	<i>Understanding E-Book Acceptance Through Technology Acceptance Model (TAM Model)</i>	Adillah Mustafa
S-3	S-31	<i>Significant Aspects in Relation to Agile Usage: Malaysian Perspective</i>	Ani Liza Asnawi
	S-32	<i>Towards Establishing Medical Records Officer Competency Framework in Healthcare Providers</i>	Aniza Jamaluddin
	S-33	<i>Usability Testing Research Framework: Case of Handicraft Web-Based System</i>	Wan Abdul Rahim Wan Mohd Isa

S-4	S-41	<i>Main and Support Enabler of Vocational Higher Education Governance</i>	Heru Nugroho
	S-42	<i>University Dashboard an Implementation of Executive Dashboard to University</i>	Meyliana Meyliana
	S-43	<i>Online Training Effect on Employee Skills Development</i>	Titan Titan
	S-44	<i>ITRACT: A Theoretical Model Towards New E-Learning Readiness Framework</i>	Kusuma Ayu Laksitowening
S-5	S-51	<i>Engineering Rural Informatics Using Agile User Centered Design</i>	Wan Abdul Rahim Wan Mohd Isa
	S-52	<i>Knowledge Infrastructure for Agriculture in Bangladesh: A Need Assessment Study of Middle Mile ICT Solutions</i>	Faheem Hussain
	S-53	<i>Domestication of Technology on Women Migrant Domestic Workers</i>	Alila Pramiyanti
S-6	S-61	<i>Social Network Modeling Approach for Brand Awareness</i>	Andry Alamsyah
	S-62	<i>Probabilistic Partnership Index (PPI) in Social Network Analysis Using Kretschmer Approach</i>	Nisa Cahya
	S-63	<i>Social Simulation: Individual and Organizational Dynamic in Team Learning Collaboration for Performance Improvement</i>	Heriyono Lalu
	S-64	<i>Evaluation of Mobile Ordering Post-Implementation</i>	Alfa R Yohannis