

ECTI-CON 2017 Final Program

Thursday, June 29, 2017

Time: 08:00-10:40

Room : Session		Dalah 1 : SS: Smart ICT for Sustainable Growth (II)
Session Chair		Chayapol Kamyod : <i>Mae Fah Luang University</i>
Time	PID	Paper Title / Author
08:00-08:20	1284	Electroencephalographic Studies of Inner Wisdom Meditation Training Program
		Pavida Pittayapruet , Phakkarawat Sittiprapaporn : <i>Mae Fah Luang University, Thailand</i>
08:20-08:40	1285	Wearable Lightweight Electroencephalographic Study on Dialing 4G Mobile Phone by LINE Application
		Theptada Whungtrakulchai, Phakkarawat Sittiprapaporn : <i>Mae Fah Luang University, Thailand</i>
08:40-09:00	1286	EEG Power Spectra during Stroop Color Word Task Training in Obese Patients
		Pawana Khemapathumak, Phakkarawat Sittiprapaporn : <i>Mae Fah Luang University, Thailand</i>
09:00-09:20	1287	Spatial Abilities Improve Brain-Computer Interface Performance Indexed by Electroencephalography
		Phassaramon Promsorn, Phakkarawat Sittiprapaporn : <i>Mae Fah Luang University, Thailand</i>
09:20-09:40	1288	EEG Power Spectrum during N-Back Task Training in Obese Patient
		Teerawat Khoonsinthaweekul, Phakkarawat Sittiprapaporn : <i>Mae Fah Luang University, Thailand</i>
09:40-10:00	1289	Electroencephalographic Study of Real-Time Arithmetic Recognition Task
		Saranya Sadudeemeechaithaweechoke, Phakkarawat Sittiprapaporn : <i>Mae Fah Luang University, Thailand</i>
10:00-10:20	1290	Electroencephalographic Study of Shoulder Massage
		Tanyaporn Rattanawan, Phakkarawat Sittiprapaporn : <i>Mae Fah Luang University, Thailand</i>
10:20-10:40	-	Break

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Thursday, June 29, 2017

Time: 10:40-13:00

Room : Session		Dalah 1 : SS: Smart ICT for Sustainable Growth (III)
Session Chair		Phakharawat Sittiprapaporn : <i>Mae Fah Luang University</i>
Time	PID	Paper Title / Author
10:40-11:00	1275	Gaussian Process kernel Crossover for Automated Forex trading System
		Tuchsanai Ploysuwan : <i>Siam University, Thailand</i>
		Roungsan Chaisricharoen : <i>Mae Fah Luang University, Thailand</i>
11:00-11:20	1279	Electroencephalographic Study of Sustained Attention to Respons Task in Digital Media Officer
		Paphapit Rungjiratananon, Phakharawat Sittiprapaporn : <i>Mae Fah Luang University, Thailand</i>
11:20-11:40	1280	Electroencephalographic Study of Jenga Game Brain Training
		Kittika Sarikavanich, Phakharawat Sittiprapaporn : <i>Mae Fah Luang University, Thailand</i>
11:40-12:00	1281	Changes of EEG Power Spectrum in Moderate Running Exercises
		Kamolchat Choktanomsup, Phakharawat Sittiprapaporn : <i>Mae Fah Luang University, Thailand</i>
12:00-12:20	1282	Changes of EEG Power Spectra in Bench Press Weight Training
		Pipat Engchuan, Phakharawat Sittiprapaporn : <i>Mae Fah Luang University, Thailand</i>
12:20-13:00	-	Lunch

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Thursday, June 29, 2017

Time: 13:00-15:20

Room : Session		Dalah 1 : SS: Recent Advance in ICT and Related Topics
Session Chair		Sathapron Promwong : <i>King Mongkut's Institute of Technology Ladkrabung</i>
Time	PID	Paper Title / Author
13:00-13:20	1283	Effect of Qigong Exercise Indexed by Lightweight Electroencephalography
		Pranpariya Uengtrakul, Phakharawat Sittiprapaporn : <i>Mae Fah Luang University, Thailand</i>
13:20-13:40	1295	Measurement Scheme of Radar Cross Section with Time Gating
		Ratcharnon Phumvijit, Pichaya Supanakoon, Sathapron Promwong : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
13:40-14:00	1294	A Novel Analysis of IR-WPAN Transmission Using Friis's Transmission Formula
		Sittan Udomsom, Thongchai Yooyativong, Rungsan Chaisrichaen, Chayapol Kamyod : <i>Mae Fah Luang University, Thailand</i>
		Sathapron Promwong : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
14:00-14:20	1301	Context-Awareness Application to Control Multiple Sensors for Monitoring Smart Environment
		Khamla Non-Alisavath, Somphone Kanthavong , Khanthanou Luangxaysana, Xaythavy Louangvilay : <i>National University of Laos, Laos</i>
14:20-14:40	1302	All Optical Clocked D Flip-Flop Using Modified Add/Drop Resonance Ring
		Khanthanou Luangxaysana, Xaythavy Louangvilay, Khamla Non-Alisavath, Somphone Kanthavong : <i>National University of Laos, Laos</i>
14:40-15:00	1303	Qubits are generated via PANDA Ring Resonator for Optical Codec
		Xaythavy Louangvilay, Khanthanou Luangxaysana, Somphone Kanthavong, Khamla Non-Alisavath : <i>National University of Laos, Laos</i>
15:00-15:20	-	Break

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Thursday, June 29, 2017

Time: 15:20-17:20

Room : Session		Dalah 1 : Advanced Research in Electrical Engineering
Session Chair		Vitawat Sittakul : <i>King Mongkut's University of Technology North Bangkok</i>
Time	PID	Paper Title / Author
15:20-15:40	1297	Multilevel Frequency Converters and Noise Reduction for Pratial Discharge Tests
		Phattarin Kitcharoen, Anantawat Kunakorn, Peerawut Yutthagowith : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
15:40-16:00	1298	Design and Construction of a Quad-pole Coupling Device for Partial Discharge Tests
		Nattapon Marukatat, Anantawat Kunakorn, Peerawut Yutthagowith : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
16:00-16:20	1217	Leakage Error Measurement of Vector Network Analyzer in National Institute of Metrology (Thailand)
		Vitawat Sittakul : <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
		Sarinya Pasakawee, Chatuporn Sirisakdakul : <i>National Institute of Metrology (Thailand), Thailand</i>
16:20-16:40	1151	Compact Tri-band F-shaped Slot Antenna using Complementary Split Ring Resonator for Mobile and WLAN Applications
		Khamla Non-Alisavath, Somphone Kanthavong , Khanthanou Luangxaysana, Xaythavy Louangvilay : <i>National University of Laos, Laos</i>
16:40-17:00	1255	Reconfigurable Smart Water Quality Monitoring System in IoT Environment
		Cho Zin Myint, Lenin Gopal : <i>Curtin University, Australia</i>
		Yan Lin Aung : <i>Nanyang Technological University, Singapore</i>
17:00-17:20	1197	Correlation between Predicted and Tested Temperature Values of Dry Type Transformer
		Phairote Teechuen, Somchat Jiriwibhakorn : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>

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Time: 08:00-10:40

Room : Session		Dalah 2 : SS: Latest Trend on Systems and Controls	
Session Chair		Kou Yamada : <i>Gunma University</i>	
Time	PID	Paper Title / Author	
08:00-08:20	1102	Comparative Analysis on Three Types of Switched-Capacitor DC-DC Converters	
		Wanglok Do, Soranut Kittipanyangam, Kei Eguchi : <i>Fukuoka Institute of Technology, Japan</i>	
08:20-08:40	1103	A Switched-Capacitor AC-AC Converter Using Nested Voltage Equalizers	
		Wanglok Do, Soranut Kittipanyangam, Kei Eguchi : <i>Fukuoka Institute of Technology, Japan</i>	
		Ichirou Oota : <i>Kumamoto College, Japan</i>	
08:40-09:00	1104	Color Light Sensor Device for Light Absorbance Measurement Device by Fuzzy Logic	
		Soranut Kittipanyangam, Wanglok Do, Kei Eguchi : <i>Fukuoka Institute of Technology, Japan</i>	
09:00-09:20	1271	Temperature Variation Modeling for Improving Building HVAC Control Using Built-in Temperature Sensors in Smartphones	
		Prach Wijukkana, Amphawan Julsereewong, Teerawat Thepmanee : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>	
09:20-09:40	1272	Evaluation and Discussion of Material strength of Flat Bar in TETRIX for Design and Manufacture of Demonstration Equipment for Automatic Control Theory	
		Ryosuke Suzuki, Yu Yamada, Kaito Yoshinaga, Takaaki Suzuki, Masaaki Matsubara, Kou Yamada : <i>Gunma University, Japan</i>	
09:40-10:00	1273	Study on Low-Sensitivity Control System with Robust Stability for Minimum-Phase and Multivariable Systems Using Multiplex-Feedback Control System	
		Xiang Yu, Daisuke Koyama, Jinghui Li, Takaaki Suzuki, Kou Yamada : <i>Gunma University, Japan</i>	
10:00-10:20	1293	Design of Iterative Learning Control via Alternating Direction Method of Multipliers for Building Temperature Control System	
		Tuynh Van Pham, David Banjerdpongchai : <i>Chulalongkorn University, Thailand</i>	
		Dinh Hoa Nguyen : <i>Kyushu University, Japan</i>	
10:20-10:40	-	Break	

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Time: 10:40-13:00

Room : Session		Dalah 2 : Electrical Power Systems (III)
Session Chair		Theerayod Wiangtong : <i>King Mongkut's Institute of Technology Ladkrabang</i>
Time	PID	Paper Title / Author
10:40-11:00	1114	Reactive Power Compensation For Solving Voltage Problems in PV Farm based upon IEC - 61850
		Suntichai Uaroon, Surin Khomfoi : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
11:00-11:20	1115	Impact of Renewable Energy on Spinning Reserve based on Economic Dispatch
		Chayanut Poomahapinyo, Surachai Chaitusaney : <i>Chulalongkorn University, Thailand</i>
11:20-11:40	1116	Electric and Magnetic Field Assessment Due to Fault in Power Distribution System
		Bundit Rittong : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
11:40-12:00	1158	Determination of Optimal Siting and Sizing of Energy Storage System in PV-Connected Distribution Systems Considering Minimum Energy Losses
		Vattanak Sok, Thavatchai Tayjasanant : <i>Chulalongkorn University, Thailand</i>
12:20-13:00	-	Lunch

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Time: 13:00-15:20

Room : Session		Dalah 2 : Systems and Control (IV)
Session Chair		Navapadol Kittiamornkul : <i>Christian University of Thailand</i>
Time	PID	Paper Title / Author
13:00-13:20	1074	Mobile Robot Wall-Following Control by Improved Artificial Bee Colony Algorithm to design a Compensatory Fuzzy Logic Controller
		Cheng-Hung Chen, Hong-Yi Du, Shih-Hao Lin : <i>National Formosa University, Taiwan</i>
13:20-13:40	1126	Design of a novel genetic algorithm stabilizer for swing-up stabilization of rotational inverted pendulum system
		Saleh Mobayen : <i>University of Zanjan, Iran</i>
13:40-14:00	1127	A Small Pasteurization System using Magnetic Induction for Coconut Juice
		Navapadol Kittiamornkul : <i>Christian University of Thailand, Thailand</i>
15:00-15:20	-	Break

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Time: 15:20-17:20

Room : Session		Dalah 2 : Computers (IV)
Session Chair		Pichaya Tandayya : <i>Prince of Songkla University</i>
Time	PID	Paper Title / Author
15:20-15:40	1184	Hybrid Multi-Swarm with Harmony Search Algorithm
		Wikrom Phuchan, Boontee Kruatrachue, Kritawan Siriboon : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
15:40-16:00	1224	Optimization of Multithread for Long Digit Multiplier by using Ancient India Vedic Mathematic
		Noppagaw Thongbai, Panwit Tuwanuti : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
16:00-16:20	1237	The Specific Golf Swing Patterns using K-Means Clustering with the Two-Side Confidence Interval
		Wisat Tangwongcharoen, Wisut Titiroongruang : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
16:20-16:40	1247	Brain Tumor Segmentation and Classification using Cascaded Random Decision Forests
		Najeebullah Shah, Sheikh Ziauddin, Ahmad Shahid : <i>COMSATS Institute of Information Technology, Pakistan</i>
16:40-17:00	1256	A Distributed Simulation System for Training and Testing MOBA Game Programming
		Pichaya Tandayya, Thanathip Limna, Phutthewan Yangyuenyong, Chalemchon Saekoo, Aran Khunaree : <i>Prince of Songkla University, Thailand</i>
17:00-17:20	1034	Development of Review Rating and Reporting in Open Journal System
		Sonya Rapinta Manalu, Willy Willy, Wiry Samatha Priatna : <i>Bina Nusantara University, Indonesia</i>

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Thursday, June 29, 2017

Time: 08:00-10:40

Room : Session		Dalah 3 : Communication System (I)
Session Chair		Pisit Boonsrimuang : <i>King Mongkut's Institute of Technology Ladkrabang</i>
Time	PID	Paper Title / Author
08:00-08:20	1040	The path scheduling for MPTCP End-To-End hosts
		Sysomphone Chayyasith : <i>Khon Kaen University, Thailand</i>
08:20-08:40	1051	Adaptive Wi-Fi Hotspot Mode Switching for Phone-to-Phone Communication in Opportunistic Network
		Chanthawat Rattanapongphan, Kulit Na Nakorn, Kultida Rojviboonchai : <i>Chulalongkorn University, Thailand</i>
08:40-09:00	1057	An Efficient Uplink OFDMA Channel Estimation under High-Speed Mobile Environment
		Pimracha Aiempo, Pisit Boonsrimuang : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
		Tanairat Mata, Pramote Anunvrapong : <i>Rajamangala University of Technology Krungthep, Thailand</i>
09:00-09:20	1087	Transmit Diversity for TS-OFDM Signal in Higher Time-Varying Fading Channels
		Anusan Danchai, Arttapol Reangsuntea, Pisit Boonsrimuang : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
		Pongsathorn Reangsuntea, Kazuo Mori, Hideo Kobayashi : <i>Mie University, Japan</i>
09:20-09:40	1088	Simple Prediction Model for Diurnal Rain Attenuation Statistics on Earth-Space Links
		Phunsak Thiennviboon, Pannathee Lervatanakittavorn : <i>Kasetsart University, Thailand</i>
		Kazuhiko Fukawa : <i>Tokyo Institute of Technology, Japan</i>
09:40-10:00	1105	Control message Reduction Using OpenFlow-Based Segment Routing
		Chakadkit Thaenchai : <i>Prince of Songkla University, Thailand</i>
		Beatrice Paillassa : <i>University of Toulouse, France</i>
10:00-10:20	1109	Experimental Analysis in SDN Open Source Environment
		Kuljaree Tantayakul, Riadh Dhaou, Beatrice Paillassa : <i>University of Toulouse, France</i>
		Wasimon Panichpattanakul : <i>Prince of Songkla University, Thailand</i>
10:20-10:40	-	Break

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Thursday, June 29, 2017

Time: 10:40-13:00

Room : Session		Dalah 3 : Communication System (II)
Session Chair		Watid Phakphisut : <i>King Mongkut's Institute of Technology Ladkrabang</i>
Time	PID	Paper Title / Author
10:40-11:00	1156	Channel-Aware Optimal Placement Algorithm for Data Concentrator Unit in Smart Grid Systems
		Chaiyod Pirak, Tanayoot Sangsuwan, Songserm Tanakornpintong : <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
		Rudolf Mathar : <i>RWTH Aachen University, Germany</i>
11:00-11:20	1161	Split-half Spectrum Sensing for Different PU Access of Cognitive Radio Systems under Noise Uncertainty Environments
		Kitipoth Wasayangkool, Kanabadee Srisomboon, Wilaiporn Lee : <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
		Kornkamol Thakulsukanant : <i>Assumption Universtiy, Thailand</i>
11:20-11:40	1163	An Implementation of Internet Protocol Options for Self-Authentication Parinya Thamthawornsakul, Suvepon Sittichivapak : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
11:40-12:00	1168	A Compact Strip-Loaded Slot Antenna with Double Feeding Strip and Blended Stub for GPR Applications Nattaphon Dokjok : <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
12:00-12:20	1186	Mobile Network Selection Algorithm based on Max-Min Fairness for Dynamic Weights Nonpakit Pornchalermpong, Dujdow Buranapanichkit, Kerkchai Thongnoo : <i>Prince of Songkla University, Thailand</i>
12:20-13:00	-	Lunch

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Thursday, June 29, 2017

Time: 13:00-15:20

Room : Session		Dalah 3 : Communication System (III)
Session Chair		Pornchai Supnithi : <i>King Mongkut's Institute of Technology Ladkrabang</i>
Time	PID	Paper Title / Author
13:00-13:20	1191	Mobile Robot Wall-Following Control by Improved Artificial Bee Colony Algorithm to design a Compensatory Fuzzy Logic Controller
		Cheng-Hung Chen, Hong-Yi Du, Shih-Hao Lin : <i>National Formosa University, Taiwan</i>
13:20-13:40	1198	Cell Throughput based Sleep Control Scheme for Heterogeneous Cellular Networks
		Prapassorn Phaiwitthayaphorn, Pisit Boonsrimuang : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
		Pongsathorn Reangsuntea, Takashi Fujii, Kosuke Sanada, Kazuo Mori, Hideo Kobayashi : <i>Mie University, Japan</i>
13:40-14:00	1201	Spectrally Shaped OFDM Signals for 10 Gb/s Bi-directional Cross-Wavelength Reuse Colorless WDM-PON
		Pallab Kumar Choudhury : <i>Khulna University of Engg. & Technology, Bangladesh</i>
14:00-14:20	1204	The Development of Fast Modal Fourier Transform for Electromagnetic Wave Iterative Computation
		Surasak Inchan : <i>Muban Chombueng Rajabhat University, Thailand</i>
		Nattapong Intarawiset : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
		Pinit Nuangpirom : <i>Rajamangala University of Technology Lanna, Thailand</i>
14:20-14:40	1221	Weight Ranking Mechanism of Energy Balancing Routing Metric for RPL Protocol in Smart Grid Communications
		Buranin Khemapataphan, Adisorn Kheaksong, Wilaiporn Lee : <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
		Kornkamol Thakulsukanant : <i>Assumption Universtiy, Thailand</i>
14:40-15:00	1227	Microwave Capacitor and Inductor Analysis using Wave Iterative Computation
		Surasak Inchan, Nattapong Intarawiset, Somsak Akatimagool : <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
		Pinit Nuangpirom : <i>Rajamangala University of Technology Lanna, Thailand</i>
15:00-15:20	-	Break

ECTI-CON 2017 Final Program

Thursday, June 29, 2017

Time: 15:20-17:20

Room : Session		Dalah 3 : Communication System (IV)
Session Chair		Titipong Lertwiryaprapa : <i>King Mongkut's University of Technology North Bangkok</i>
Time	PID	Paper Title / Author
15:20-15:40	1230	Scanning Behavior for Efficient Energy Consumption in Delay Tolerant Network
		Visarut Tirataworawan , Chotipat Pornavalai : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
15:40-16:00	1232	Unidirectional Suspended Fractal Antenna for SHF RFID Reader
		Pisit Janpangngern, Chuwong Phongcharoenpanich : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
16:00-16:20	1235	Fiber Bragg Grating FBG sensing temperature characteristic and application in water and air
		Sirimitra Sirithawornsant, Apichaya Niyomgool, Prapun Suksompong, Chalie Charoenlarnopparut : <i>Srinthorn International Institute of Technology, Thailand</i>
16:20-16:40	1241	A Rhombic Ring Monopole Antenna with Stripline and Ring Resonator for Multiband Operation
		Norakamon Wongsin, Thanakan Suangun, Chatree Mahatthanajatuphat, Prayoot Akkaraekthalin : <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
16:40-17:00	1292	Study of GPS instrumental bias and TEC estimations from GPS stations in Thailand
		Athiwat Chiablaem, Watid Phakphisut, Pornchai Supnithi : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
17:00-17:20	1068	Highly Secured Tunnel by Optical Crypto Carrier Transmission using Ring Resonator System
		Pakorn Juleang : <i>Mahanakorn University of Technology, Thailand</i>

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Thursday, June 29, 2017

Time: 08:00-10:40

Room : Session		Bu-nga : Signal Processing (IV)
Session Chair		Tomoaki Sato : <i>Hokusei Gakuen University</i>
Time	PID	Paper Title / Author
08:00-08:20	1160	Dimension Reduction based on Canonical Correlation Analysis Technique to Classify Sleep Stages of Sleep Apnea Disorder using EEG and ECG signals
		Pimporn Moeynoi : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
08:20-08:40	1167	Egg Weight Prediction and Egg Size Classification using Image Processing and Machine Learning
		Jeerapa Thipakorn, Rattapoom Waranusast, Panomkhawn Riyamongkol : <i>Naresuan University, Thailand</i>
08:40-09:00	1182	A Pinger Localization Algorithm Using Sparse Representation for Autonomous Underwater Vehicles
		Teerasit Kasetkasem, Denchai Worasawate, Phunsak Thiennviboon, Yodyium Tipsuwan : <i>Kasetsart University, Thailand</i>
09:00-09:20	1183	Lung Volume Monitoring Using Flow-Oriented Incentive Spirometer with Video Processing
		Athtayu Yuthong, Kanadit Chetpattananondh, Rakkrit Duangsoithong : <i>Prince of Songkla University, Thailand</i>
09:20-09:40	1187	A Super-Resolution land cover mapping Based on a Random Forest and Markov Random Field model
		Manatsawee Sanpayao, Teerasit Kasetkasem, : <i>Kasetsart University, Thailand</i>
		Preesan Rakwatin : <i>Geo-Informatics and Space Technology Development Agency, Thailand</i>
		Tsuyoshi Isshiki : <i>Tokyo Institute of Technology, Japan</i>
		Thitiporn Chanwimaluang : <i>National Electronics and Computer Technology Center, Thailand</i>
09:40-10:00	1188	Super-Resolution Land Cover Mapping Based on Deep Learning and Level Set Method
		Watsana Bupphawat, Teerasit Kasetkasem : <i>Kasetsart University, Thailand</i>
		Preesan Rakwatin : <i>Geo-Informatics and Space Technology Development Agency, Thailand</i>
		Tsuyoshi Isshiki : <i>Tokyo Institute of Technology, Japan</i>
		Thitiporn Chanwimaluang : <i>National Electronics and Computer Technology Center, Thailand</i>
10:00-10:20	1216	Detection of Speed Bumps Using Gaussian Mixture Model
		Suchada Srimongkon : <i>King Mongkut's University of Technology Thonburi, Thailand</i>
10:20-10:40	-	Break

ECTI-CON 2017 Final Program

Thursday, June 29, 2017

Time: 10:40-13:00

Room : Session		Bu-nga : Signal Processing (V)
Session Chair		Suchada Sitjongsataporn : <i>Mahanakorn University of Technology</i>
Time	PID	Paper Title / Author
10:40-11:00	1219	Diffusion Proportionate Affine Projection Sign Algorithm for Distributed Estimation over Network
		<i>Ji-Hye Seo, Sang Mok Jung, Poo Gyeon Park : Pohang University of Science and Technology, South Korea</i>
11:00-11:20	1223	Hand Gesture Recognition for Lao Alphabet Sign Language Using HOG and Correlation
		<i>Vimonhak Sombandith : King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
11:20-11:40	1225	Recognition Lao Sentence Sign Language using Kinect Sensor
		<i>Vimonhak Sombandith : King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
11:40-12:00	1239	Adaptive Reduced-Rank Affine Projection Algorithm based on Joint Optimisation
		<i>Suchada Sitjongsataporn : Mahanakorn University of Technology, Thailand</i>
12:00-12:20	1131	An Automated Mean Square Image Fusion for Generating the HDR Images Based on Saturation
		<i>Metira Banluesanoh, Toshiaki Kondo : Sirindhorn International Institute of Technology, Thailand</i>
12:20-13:00	-	Lunch

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Thursday, June 29, 2017

Time: 13:00-15:20

Room : Session		Bu-nga : Device, Circuits and Systems (III)
Session Chair		Worapong Tangsrirat : <i>King Mongkut's Institute of Technology Ladkrabang</i>
Time	PID	Paper Title / Author
13:00-13:20	1097	Single-Input Three-Output Dual-Mode Universal Biquad Realization Based on Floating-Current-Source Building Blocks
		Pratya Mongkolwai : <i>Rajamangala University of Technology Rattanakosin, Thailand</i>
		Sumalee Unhavanich : <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
		Worapong Tangsrirat : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
13:20-13:40	1098	Grounded Lossy Parallel Inductance Simulation Using Voltage Differencing Buffered Amplifier
		Natchanai Roongmuanpha, Tattaya Pukkalanun, Worapong Tangsrirat : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
13:40-14:00	1118	Design of Underground Seismic Acquisition System
		Wivach Rungshawang : <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
14:00-14:20	1150	Single VDBA-Based Phase Shifter with Low Output Impedance
		Orapin Channumsin : <i>Rajamangala University of Technology Isan, Thailand</i>
		Worapong Tangsrirat : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
14:20-14:40	1170	Graphene Digital Microfluidics Microchip
		Kessararat Ugsornrat : <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
		Thitima Maturros, Patiya Pasakon, Chanpen Karuwan, Chakrit Sriprachuabwong, Tawee Pogfai, Anurat Wisitsoraat, Adisorn Tuantranont : <i>National Electronics and Computer Technology Center, Thailand</i>
14:40-15:00	1194	A logarithmic level-crossing ADC
		Silar Sirimasakul, Apinunt Thanachayanont : <i>King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
15:00-15:20	-	Break

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Thursday, June 29, 2017

Time: 15:20-17:20

Room : Session		Bu-nga : Device, Circuits and Systems (IV)
Session Chair		Toempong Phetchakul : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
Time	PID	Paper Title / Author
15:20-15:40	1207	Design and Implementation of Dead-time Controlled PWMs Technique based on 16-bit Microcontroller with GUI Tool for Power Switching Controller
		Santi Nuratch : <i>King Mongkut's University of Technology Thonburi, Thailand</i>
15:40-16:00	1209	Microcontroller-based Modbus Master Design and Implemtation for Multiple Networks and Platforms using Object-based Design Technique
		Santi Nuratch : <i>King Mongkut's University of Technology Thonburi, Thailand</i>
16:00-16:20	1210	Effect of Substrate Depth to 5-Contact Vertical Hall
		Sawatdipong Poonsawat, Toempong Phetchakul : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
		Amporn Poyai : <i>National Electronics and Computer Technology Center, Thailand</i>
16:20-16:40	1212	Design and Implementation of Microcontroller-based Platform-Independent Real-time WebSocket Server for Monitoring and Control Applications
		Santi Nuratch : <i>King Mongkut's University of Technology Thonburi, Thailand</i>
16:40-17:00	1234	Study of GPS instrumental bias and TEC estimations from GPS stations in Thailand
		Athiwat Chiablaem, Watid Phakphisut, Pornchai Supnithi : <i>King Mongkut's Institute of Technology Ladkrabung, Thailand</i>
17:00-17:20	1244	Performance Enhancement of a Subthreshold MOS Folded-Cascode OTA Using Enhanced Lateral BJT Input Stage
		Chutham Sawigun, Prajuab Pawarangkoon : <i>Mahanakorn University of Technology, Thailand</i>

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Thursday, June 29, 2017

Time: 08:00-10:40

Room : Session		Orchid : Information Technology (IV)
Session Chair		Kosin Chamnongthai : <i>King Mongkut's University of Technology Thonburi</i>
Time	PID	Paper Title / Author
08:00-08:20	1185	Social-Aware Automated Course Planner: An Integrated Recommender System for University Registration System
		Nattachai Saejiem, Songsak Channarukul, Kiratijuta Bhumichitr, Rachsuda Jiamthaphaksin, Vorapat Nicklamai, Kanapol Terdvikran : <i>Assumption Universtiy, Thailand</i>
08:20-08:40	1202	Developing Ontology for Thai Zingiberaceae: From Taxonomies to Ontologies
		Nattapong Kaewboonma : <i>Rajamangala University of Technology Srivijaya, Thailand</i>
08:40-09:00	1226	Mitigating HTTP GET Flooding Attacks in SDN Using NetFPGA-based OpenFlow Switch
		An Viet Nguyen : <i>Hanoi University of Science and Technology, Viet Nam</i>
09:00-09:20	1228	Design and Implementation a REST API for Association Rule Mining
		Kesine Boonchuay, Youppadee Intasorn, Kritwara Rattanaopas : <i>Songkhla Rajabhat University, Thailand</i>
09:20-09:40	1236	A Robust System for Eye State Recognition Using the Hamming Distances of Eye Image Intensities
		Lee Aing, Toshiaki Kondo : <i>Sirindhorn International Institute of Technology, Thailand</i>
		Pished Bunnun : <i>National Electronics and Computer Technology Center, Thailand</i>
		Hirohiko Kaneko : <i>Tokyo Institute of Technology, Thailand</i>
09:40-10:00	1039	Stop Words in Review Summarization Using TextRank
		Sonya Rapinta Manalu, Willy Willy : <i>Bina Nusantara University, Indonesia</i>
10:00-10:20	1043	Motorcycle Theft Prevention and Recovery Security System
		Archie Osano Pachica : <i>University of Science and Technology of Southern Philippines, Philippines</i>
10:20-10:40	-	Break

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Thursday, June 29, 2017

Time: 10:40-13:00

Room : Session		Orchid : Information Technology (V)
Session Chair		Wiboon Prompanich : <i>King Mongkut's Institute of Technology Ladkrabung</i>
Time	PID	Paper Title / Author
10:40-11:00	1142	A Secure NFC Mobile Payment Ensuring Fair Exchange Base on Limited-Use of Session Keys
		Chalee Thammarat, Roongroj Chokngamwong, Werasak Kurutath : <i>Mahanakorn University of Technology, Thailand</i>
11:00-11:20	1176	An Intelligent Hybrid Approach for Detection of Drowsy Driving Risk in Real Environments
		Arkhom Songkroh : <i>Mahanakorn University of Technology, Thailand</i>
11:20-11:40	1193	Analyze the system of opportunities that will affect the work of hospital personnel
		Jumras Pitakphongmetha, Nathaphon Boonnam, Siriwan Wongkoon : <i>Prince of Songkla University, Thailand</i>
11:40-12:00	1270	An Efficient Stop Word Elimination Algorithm for Urdu Language
		Kamran Shaukat, Ahmed Bin Shafaat : <i>University of the Punjab, Jhelum Campus, Pakistan</i>
12:20-13:00	-	Lunch

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Thursday, June 29, 2017

Time: 13:00-15:20

Room : Session		Orchid : Electrical Power Systems (IV)
Session Chair		Komkrit Prasertwong : <i>Srinakharinwirot University</i>
Time	PID	Paper Title / Author
13:00-13:20	1174	Partial Discharge Detection and Localization of Defected Power Cable Using HFCT and UHF Sensors
		Jateslid Singsathien, Thanapong Suwanasri, Cattareeya Suwanasri, Sayan Ruankon, Phanupong Fuangpian : <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
		Wichavut Namvong, Panupong Saengsaikaew, Worachet Khotsang : <i>Provincial Electricity Authority, Thailand</i>
13:20-13:40	1177	Control of Power Management in the Renewable Energy System by Using Flywheel Energy Storage
		Pratchaya Pathomchaiwat, Bunlung Neamanee : <i>King Mongkut's University of Technology North Bangkok, Thailand</i>
13:40-14:00	1178	A New Algorithm Based on Logarithm Decrement to Estimate the Damping Ratio for Power System Oscillation
		Komkrit Prasertwong : <i>Srinakharinwirot University, Thailand</i>
14:00-14:20	1181	PEM Fuel Cell Emulator based on Dynamic Model with Relative Humidity Calculation
		Kan Voottipruex, Anawach Sangswang, Sumate Naetiladdanon, Ekkachai Mujjalinvimut, Nutthapon Wongyoo : <i>Muban Chombueng Rajabhat University, Thailand</i>
14:20-14:40	1203	Optimal Budget Allocation for Preventive Maintenance of Distribution System Considering Customer Outage Cost and Reliability Indices
		Sitthiporn Tragoonthai, Surachai Chaitusaney : <i>Chulalongkorn University, Thailand</i>
14:40-15:00	1250	A Survey of Hybrid Energy Storage Systems Applied for Intermittent Renewable Energy Systems
		Attapong Mamen, Uthane Supatti : <i>Kasetsart University at Si Racha Campus, Thailand</i>
15:00-15:20	-	Break

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Thursday, June 29, 2017

Time: 15:20-17:20

Room : Session		Orchid : Electrical Power, Circuits and Systems
Session Chair		Thanaphong Thanasaksiri : <i>Chiang Mai University</i>
Time	PID	Paper Title / Author
15:20-15:40	1137	Dynamic Stability Improvement of Power System Using PSS Equipped With Microcontroller
		<i>Azade Abedini : Islamic Azad University, Iran</i>
15:40-16:00	1157	Comparison of Euler and Trapezoidal Approaches for Capacitor Switching Transient
		<i>Thanaphong Thanasaksiri : Chiang Mai University, Thailand</i>
16:00-16:20	1084	Leakage current measurement with the bench test in watchdog timer power down mode for microcontroller device
		<i>Parin Dechmune, Promphak Dawan, Narin Atiwongsangthong, Wisut Titiroongruang : King Mongkut's Institute of Technology Ladkrabang, Thailand</i>
16:20-16:40	1245	Electromagnetic Wave Absorber Plate Using Recycled HDPE and Micro Materials from Natural Thai Hydro Ilmenite Minerals
		<i>Sorapong Pavasupree, Wissanu Charerntanom, Narongchai O-Charoen, Varistha Chobpattana : Rajamangala University of Technology Thanyaburi, Thailand</i>
16:40-17:00	1023	Effect of Fourth Order Machine Model for PSS Parameters Design in Power System
		<i>Mehdi Mahdavian : Islamic Azad University, Iran</i>
17:00-17:20	1263	Modified PWM Control Method for Neutral Point Clamped Multilevel Inverters
		<i>Taher Ahmadzadeh, Ebrahim Babaei, Mehran Sabahi : University of Tabriz, Iran</i>