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# THE 2018 SEVENTH ICT INTERNATIONAL STUDENT PROJECT CONFERENCE (ICT-ISPC2018)

Digital Technology for Life



July 11-13, 2018, Mahidol University, Nakhon Pathom, Thailand



## Schedule

Thursday 12 July 2018

### Parallel Presentation Sessions I

Session 1-A (Mobile Applications) (Room IT331)			
Chair: Mores Prachyabrued			
Time	Paper ID	Title	Topic
1:20 PM	16	Memory Skill Games for Elderly People to Prevent Dementia	Mobile Applications
1:40 PM	37	Procircle-A promotion platform using crowdsourcing and web data scraping technique	Mobile Applications
2:00 PM	44	Smart Complaint Management System	Mobile Applications
2:20 PM			

Session 1-B (E-Learning Technology and Applications) (Room IT332)		
Chair: Petch Sajacholapunt		
Paper ID	Title	Topic
21	Development of Aedes-Entomological Predictive Analytical Dashboard Application	Healthcare Information Technology and Applications
40	Lord of Secure: the Virtual Reality Game for Educating Network Security	E-learning Technology and Applications
50	POMEGA: Security Game for Building Security Awareness	E-learning Technology and Applications
36	Real-Time Campus University Bus Tracking Mobile Application	Mobile Applications

Session 1-C (Intelligent Systems and Machine Learning) (Room IT310)		
Chair: Shiro Yano		
Paper ID	Title	Topic
8	Personalized Food Recommendation Using Deep Neural Network	Intelligent Systems and Machine Learning
17	A Course Planning App for Undergraduate Students Using Genetic Algorithm	Intelligent Systems and Machine Learning
28	A Food Photography App with Image Recognition for Thai Food	Intelligent Systems and Machine Learning
33	On the Residual of Mirror Descent Search and Scalability via Dimensionality Reduction	Intelligent Systems and Machine Learning

### Parallel Presentation Sessions II

Session 2-A (Computer Network and Security) (Room IT331)			
Chair: Damras Wongsawang			
Time	Paper ID	Title	Topic
3:20 PM	65	CIRRUS : Distributed Cloud Storage	Computer Networks and Security
3:40 PM	49	A Novel IoT Authorization Architecture on Hyperledger Fabric with Optimal Consensus using Genetic Algorithm	Computer Networks and Security
4:00 PM	56	Countermeasure against Spoofed E-mails Using Display Name as a User Authenticator	Computer Networks and Security
4:20 PM			
4:40 PM			
5:00 PM			
5:20 PM			

Session 2-B (Healthcare IT and Computer Networks and Security) (Room IT332)		
Chair: Sirpen Pongpaichet		
Paper ID	Title	Topic
19	Elder Eat for healthy food consumption of Thai elderly people	Healthcare Information Technology and Applications
12	Lip Reading CAI for Hearing Impairment Student	E-learning Technology and Applications
55	iCare-ADHD: A Mobile Application Prototype For Early Child Attention Deficit Hyperactivity Disorder	Healthcare Information Technology and Applications
59	Monitoring and Warning System for the Elderly: A Case Study of Cardiac Arrhythmias	Healthcare Information Technology and Applications
6	Energy-Aware Distributed Multi-Cloud Flower Pollination Optimization Scheme	Networks and Computer
9	Mobile Cloud Computing: Layered Architecture	Networks and Computer
23	A Model for Adaptive and Distributed Intrusion Detection for Cloud Computing	Networks and Computer

Session 2-C (Software Engineering and Embedded Systems) (Room IT310)		
Chair: Morakot Choetkiertikul		
Paper ID	Title	Topic
13	IoT Backyard: Smart Watering Control System	Embedded Systems
14	MQTT Based Air Quality Monitoring System using NodeMCU and Node-RED	Embedded Systems
58	An IoT Controlled System for Plant Growth	Embedded Systems
29	An Automated Evaluation Method of Conceptual Data Models Considering Similarities of Attribute Sets	Software Engineering

Friday 13 July 2018

### Parallel Presentation Sessions III

Session 3-A (HCI and Related Topics to ICT) (Room IT331)			
Chair: Kanrawi Kikhachonkuntaphat			
Time	Paper ID	Title	Topic
10:50 AM	52	Comparison of perceived waiting time between two length of progress indicator and two styles of graphics animation with perceived uncertainty as a covariate.	HCI
11:10 AM	22	EldTec: Improvement on Wearable Sensor for Elderly Fall Detection	Other topics related to ICT and Applications
11:30 AM	26	Improved Line Maze Solving Algorithm for Curved and Zig-zag Track	Other topics related to ICT and Applications
11:50 AM	35	Detecting Points of Interest in a City from Taxi GPS with Adaptive DBSCAN	Other topics related to ICT and Applications

Session 3-B (EBIZ and Application) (Room IT332)		
Chair: Thitinan Tantidham		
Paper ID	Title	Topic
30	A Visualization System Utilizing Digital Textbook Logs	E-Business Technology and Applications
62	Package Delivery System Based on Blockchain Infrastructure	E-Business Technology and Applications
24	A novel algorithm for a grammar model checking using statistical Markov model	E-learning Technology and Applications

Session 3-C (Pattern Recognition and Management of Knowledge) (Room IT310)		
Chair: Chomtip Porpanomchai		
Paper ID	Title	Topic
3	Thai Traffic Sign Detection and Recognition for Driver Assistance	Pattern Recognition and Computer Vision
42	Legal Search System using Ontology for Government Agencies in Lao PDR	Data and Knowledge Management
51	K4ThaiHealth: A Prototype for Thai Routine Medical Research Knowledge Extraction & Sharing	Data and Knowledge Management