

Conference Agenda

The 14th International Joint Conference on
Computer Science and Software Engineering (JCSSE2017)

12-14 July 2017

Twin lotus hotel, Nakhon Si Thammarat, Thailand.

Wednesday, 12 July 2017

8:30 - 9:00	Registration		
Workshop			
Room	Ubolchat	Nilobol	Jongkolnee
9:00 - 10:30	Workshop on Software Process Models and Research Directions: Exploring concept through games and activities. Instructor: Dr.Suradet Jitprapaikulsarn, Naresuan university.	Workshop on Apache Solr. Instructor: Mr.Chaiyun Damkeaw, Walailak university, Note: To participate this workshop, please bring your own laptop	Workshop on 3D Printing. Instructor: Assoc.Prof.Dr. Wattapong Kerdthongmee, Walailak university.
10:30 - 10:45	Coffee break		
10:45 - 12:00	Workshop on Software Process Models and Research Directions: Exploring concept through games and activities.	Workshop on Apache Solr.	Workshop on 3D Printing.
12:00 - 13:00	Lunch		

13:00 - 14:30	Workshop on Software Process Models and Research Directions: Exploring concept through games and activities.	Workshop on Apache Solr.	Workshop on 3D Printing.
14:30 - 14:45	Coffee break		
14:45 - 16:00	Workshop on Software Process Models and Research Directions: Exploring concept through games and activities.	Workshop on Apache Solr.	Workshop on 3D Printing.
16:00 - 18:00	University tour (Note: the program does not include dinner)		

8:00 - 8:30	Registration				
8:30 - 9:00 (Room: Bongkodrat 3)	Opening Ceremony				
9:00 - 9:50 (Room: Bongkodrat 3)	Keynote speech “Research@Cloud Security Alliance” by Dr. Lee Hing Yan. Director, Cloud Security Alliance (CSA), Singapore.				
9:50 - 10:40 (Room: Bongkodrat 3)	Keynote speech “Emerging Technologies and Applications of Human-Machine-Interface (HMI) and Brian Computer Interface (BCI)” by Prof.Dr. Lance Chun Che Fung. Murdoch university, Australia.				
10:40 - 11:00	Coffee break				
11:00 - 12:00	Oral presentation				
Session	Track: Machine Learning	Track: IT	Track: Image Processing/ Multimedia/ SWE	Track: Computer System/Security/Mobile	Workshop on EHPC
Room	Ubolchat	Oraphin1	Jongkolnee	Phatumlab	Oraphin 2
11.00 - 11.20	ML-001: 1570360934 <i>Spam Detection for Closed Facebook Groups</i> Nattanan Watcharenwong (Khon Kaen University, Thailand)	IT-001: 1570347340 <i>One time key Issuing for Verification and Detecting Caller ID Spoofing Attacks</i> Narongsak Sukma (Mahanakorn University, Thailand)	IM-001: 1570350297 <i>Spill Suppression for Green Screen Matte Using Anisotropic Diffusion</i> Thanathorn Phoka (Naresuan University, Thailand)	CSN-001: 1570350846 <i>Cache Replacement Mechanism with Content Popularity for Vehicular Content-Centric Networks (VCCN)</i> Sangduan Chootong (Prince of Songkla University, Phuket Campus, Thailand)	
11.20 - 11.40	ML-002: 1570363372 <i>Temporal kNN for Short-term Ocean</i>	IT-002: 1570354964	IM-002: 1570352390	CSN-002: 1570355409	

	<p><i>Current Prediction Based on HF Radar Observations</i></p> <p>Teeranai Kormongkolkul (Chulalongkorn University, Thailand)</p>	<p><i>IoT for Smart Farm: A case study of Lingzhi Mushroom Farm at Maejo University</i></p> <p>Oran Chieochan(Lampang Rajabhat University, Thailand)</p>	<p><i>Segmentation of Optic Nerve Head Images</i></p> <p>Punsiri Boonyakiat (Mahidol University, Thailand)</p>	<p><i>Distributed Consensus-Based Sybil Nodes Detection in VANETs</i></p> <p>Chea Sowattana (Mahidol University, Thailand)</p>	
11.40 - 12.00	<p>ML-003: 1570363725</p> <p><i>Speech Emotion Recognition Using Derived Features from Speech Segment and Kernel Principal Component Analysis</i></p> <p>Matee Charoendee (Chulalongkorn University, Thailand)</p>	<p>IT-003: 1570361323</p> <p><i>Keystroke Dynamics for Authentication Using Dynamic Time Warping</i></p> <p>Made Indra Wira Pramana (Bandung Institute of Technology, Indonesia)</p>	<p>IM-003: 1570355465</p> <p><i>Shape Recognition by using Scale Invariant Feature Transform for Contour</i></p> <p>Mathara Rojanamontien (King Mongkut's Institute of Technology Ladkrabang, Thailand)</p>	<p>CSN-003: 1570355462</p> <p><i>Design and Development of Lane Detection Based on FPGA</i></p> <p>Piyatap Promrit (Prince of Songkla University, Thailand)</p>	
12:00 - 13:00	Lunch				
13.00 - 13.20	<p>ML-004: 1570363067</p> <p><i>Remaining Useful Life Prediction Using Enhanced Convolutional Neural Network on Multivariate Time Series Sensor Data</i></p>	<p>IT-004: 1570362764</p> <p><i>ARSA-The Pervasive Rescuer Supporting System for the Pre-hospital Emergency Medical Service</i></p> <p>Manachai Toahchoodee (University of the Thai Chamber of Commerce, Thailand)</p>	<p>IM-004: 1570363425</p> <p><i>Robust Video Editing Detection Using Scalable Color and Color Layout Descriptors</i></p> <p>Peerapon Chantharainthron (Chulalongkorn University, Thailand)</p>	<p>CSN-004: 1570360064</p> <p><i>Two Factor Image-based Password Authentication for Junior High School Students</i></p> <p>Niramai Cherdmuangpak (King Mongkut's University of Technology North Bangkok, Thailand)</p>	

	Manassakan Sanayha (Chulalongkorn University, Thailand)				
13.20 - 13.40	ML-005: 1570363469 <i>Generalization of a mental rotation skill in humanoid robots</i> Kritsana Seepanomwan (Silpakorn University, Thailand)	IT-005: 1570364044 <i>A Performance Comparison of Apache Tez and MapReduce with Data Compression on Hadoop Cluster</i> Kritwara Rattanaopas (Songkhla Rajabhat University, Thailand)	IM-005: 1570363432 <i>Enhancing Trustworthy of Document Using a Combination of Image Hash and Cryptographic Hash</i> Pornchai Assamongkol (Chulalongkorn University, Thailand)	CSN-005: 1570362565 <i>OSV: OSPF Vulnerability Checking Tool</i> Poonyavee Kasemsuwan (Mahidol University, Thailand)	
13.40 - 14.00	ML-006: 1570355108 <i>Enemy Evaluation AI for 2D Action-Platform Game</i> Pichit Promsutipong (Chulalongkorn University, Thailand)	IT-006: 1570363646 <i>Development of a MySQL Sandbox for Processing SQL Statements: Case of DML and DDL Statements</i> Tanasab Permpool (King Mongkut's Institute of Technology Ladkrabang, Thailand)	IM-006: 1570363582 <i>Separation of Occluded Leaves using Direction Field</i> Nicha Piemkaroonwong (International College, King Mongkut's Institute of Technology Ladkrabang, Thailand)	CSN-006: 1570363727 <i>Queuing-Aware Routing Algorithm in Software Defined Networks</i> Pakawat Chumcharoen(Chulalongkorn University, Thailand)	
14.00-14.20	ML-007: 1570360393 <i>End-To-End Memory Network for QA with Multiple Relationships</i>	IT-007: 1570363928 <i>Workflow Simulation based on Cloud Platform for Office Automation System</i>	IM-007: 1570364118 <i>Separation of Abnormal Regions on Black Gram Leaves using Image Analysis</i>	CSN-007: 1570363792 <i>Design and Implement of GPON-FTTH network for residential condominium</i>	

	Nattachai Tretasayuth (Chulalongkorn University, Thailand)	Kanittha Promsakul (Prince of Songkla University, Thailand)	Ukrit Watchareeruetai (International College, King Mongkut's Institute of Technology Ladkrabang, Thailand)	Ronnakorn Jirachariyakool (King Mongkut's Institute of Technology Ladkrabang (KMITL), Thailand)	
14.20-14.40	ML-008: 1570364040 <i>Evaluate Different Machine Learning Techniques for Classifying Sleep Stages on Single-Channel EEG</i> Shahnawaz Qureshi (Prince of Songkla University, Thailand)	IT-008: 1570363794 <i>Formal Verification of ABAP by Z Specification</i> Soravit Rodruksa (Thammasat University, Thailand)	MUL-001: 1570363776 <i>Encouraging Water Management in Local Communities Through Living Weir 3D Animations</i> Patibut Preeyawongsakul (Walailak University, Thailand)	CSN-008: 1570363805 <i>Measuring Data Locality Ratio in Virtual MapReduce Cluster Using WorkflowSim</i> Peerasak Wangson (King Mongkut's University of Technology Thonburi, Thailand)	
14.40-15.00	Coffee break			CSN-009: 1570363988 <i>Experimental Performance Evaluation of LoRaWAN: A Case Study in Bangkok</i> Nuttakit Vatcharatiansakul (King Mongkut's Institute of Technology Ladkrabang, Thailand)	Coffee break
				Coffee break	
15.00-15.20	ML-009: 1570361452 <i>Source Code Classification using Neural Networks</i>	IT-009: 1570363660 <i>Evaluation of Mobile Phone Interaction with Large Public Displays</i>	SWE-001: 1570363318 <i>Test Data Generation for Structurally Complex Software Architecture</i>		

	Shlok Gilda (Pune Institute of Computer Technology, India)	Patchara Pattanakimhun (King Mongkut's Institute of Technology Ladkrabang, Thailand)	Panuchart Bunyakiati (University of the Thai Chamber of Commerce, Thailand)		
15.20 - 15.40	<p>ML-010: 1570350588</p> <p><i>Parallelized FPA-SVM: Parallelized Parameter Selection and Classification using Flower Pollination Algorithm and Support Vector Machine</i></p> <p>Jean-Charles Coetsier (Assumption University, Thailand)</p>	<p>IT-010: 1570363539</p> <p><i>Design Computer-Assisted Learning in an Online Augmented Reality Environment Based on Shneiderman's Eight Golden Rules</i></p> <p>Naladtaporn Aottiwerch (Khon Kaen University, Thailand)</p>	<p>SWE-002: 1570363546</p> <p><i>Developing A Framework for Services Computing Systems Engineering</i></p> <p>Made Indra Wira Pramana (Bandung Institute of Technology, Indonesia)</p>		
15.40 - 16.00	<p>ML-011: 1570361395</p> <p><i>An Incremental Dynamic Time Warping for Person Re-identification</i></p> <p>Wisrut Kwankhoom (Naresuan University, Thailand)</p>	<p>WEB-001: 1570363807</p> <p><i>Measuring Difficulty Levels of JavaScript Questions in Question-Answer Community Based on Concept Hierarchy</i></p> <p>Neung Viriyadamrongkij (Chulalongkorn University, Thailand)</p>	<p>SWE-003: 1570356920</p> <p><i>Model-based Engineering for Microservice Architectures using Enterprise Integration Patterns for inter-service Communication</i></p> <p>Roland J. Petrasch (Thammasat University, Thailand)</p>		

Friday, 14 July 2017

8:30 - 9:00	Registration			
9:00 - 9:50 (Room: Bongkodrat 3)	Keynote speech “Software Innovations in Tourism and Event Services” by Prof.Dr. Tokuro Matsuo. Advanced Institute of Industrial Technology, Japan.			
9:50 - 10:40 (Room: Bongkodrat 3)	Keynote speech “Computational Marketing at Groupon” by Dr. Clovis Chapman. Senior Manager at Groupon, USA.			
10:40 - 11:00	Coffee break			
11:00 - 12:00	Oral presentation			
Session	Track: Machine Learning	Track: Knowledge and Data Management	HCI Special Session	ESMIP
Room	Ubolchat	Jongkolnee	Oraphin 3	Phatumlab
11.00 - 11.20	ML-012: 1570355385 <i>A Linear Discriminant Analysis Using Weighted Local Structure Information</i> Raywut Ketsuwan (King Mongkut's University of Technology Thonburi, Thailand)	KDM-001: 1570363967 <i>Optimizing Range Query Processing for Dual Bitmap Index</i> Naphat Keawpibal (Prince of Songkla University, Thailand)	HCI-001: 1570364243 <i>Authenticating Physical Location Using QR Codes and Network Latency</i> Charles Allen (Naresuan University, Thailand)	EMSIP-001: 1570363716 <i>Building a Brain Atlas based on Gabor Texture Features</i> Paramate Horkaew (Suranaree University of Technology)
11.20 - 11.40	ML-013: 1570363379 <i>Front-Rear Crossover: A New Crossover</i>	KDM-002: 1570350608	HCI-002: 1570367887	EMSIP-002: 1570363783

	<p><i>Technique for Solving a Trap Problem</i> Dilok Pumsuwan (Burapha University, Thailand)</p>	<p><i>A Rapid Anomaly Detection Technique for Big Data Curation</i> Korn Poonsirivong (Assumption University, Thailand)</p>	<p><i>Burn in Zone: Real Time Heart Rate Monitoring for Physical Activity</i> Sakchai Muangsrinoon (Walailak University, Thailand)</p>	<p><i>Graphical Representation of the Whole Sequentially MRI Images in a Single View</i> Varin Chouvatut (Chiang Mai University, Thailand)</p>
11.40 - 12.00	<p>ML-014: 1570363568 <i>Improved Least-Squares Quadratic Mutual Information Clustering via Laplacian Eigenmap</i> Janya Sainui (Prince of Songkla University, Thailand)</p>	<p>KDM-003: 1570353999 <i>Analyzing User Reviews in Thai Language toward Aspects in Mobile Applications</i> Boonyarit Deewattananon (Kasetsart University, Thailand)</p>	<p>HCI-003: 1570367889 <i>Modeling Realistic Virtual Pulse of Radial Artery Pressure Waveform using Haptic Interface</i> Moragot Kandee (Walailak University, Thailand)</p>	<p>EMSIP-003: 1570363648 <i>A robust algorithm for R peak detection based on optimal discrete wavelet transform</i> Anurak Thungtong (Walailak University, Thailand)</p>
12:00 - 13:00	Lunch			
13.00 - 13.20	<p>ML-015: 1570363706 <i>Burmese Word Segmentation with Character Clustering and CRFs</i> Myat Lay Phyu (Prince of Songkla University, Thailand)</p>	<p>KDM-004: 1570355479 <i>Trending Topic Discovery of Twitter Tweets Using Clustering and Topic Modeling Algorithms</i> Ma Shiela Sapul (Assumption University of Thailand, Thailand)</p>	<p>HCI-004: 1570369421 <i>Pre-Impact Fall Detection Approach Using Dynamic Threshold Based and Center of Gravity in Multiple Kinect Viewpoints</i> Nuth Otanasap (Walailak University, Thailand)</p>	<p>EMSIP-004: 1570372253 <i>Automatic Microaneurysm Detection Using Multi-level Threshold based on ISODATA</i> Tanin Intaramanee (Burapha University (Chonburi), Thailand)</p>
13.20 - 13.40	<p>ML-016: 1570355297 <i>Short Text Document Clustering using Document Distance</i></p>	<p>KDM-005: 1570362176 <i>A semantic approach for question answering using DBpedia and WordNet</i> Kittiphong Sengloiluean (Khon Kaen University, Thailand)</p>	<p>HCI-005: 1570369490 <i>Strabismus Screening by Eye Tracker and Games</i> Udomchai Saisara (Walailak University, Thailand)</p>	<p>EMSIP-005: 1570372259 <i>Vertebral Pose Segmentation on Low Radiation Image using Convergence Gravity Force</i> Jakapong Boonyai (Burapha University, Thailand)</p>

	Supavit Kongwuddhikunakorn (Kasetsart, Thailand)			
13.40 - 14.00	ML-017: 1570363822 <i>Hierarchical Text Categorization Using Level Based Neural Networks of Word Embedding Sequences with Sharing Layer Information</i> Mongkud Klungpornkun (Chulalongkorn University, Thailand)	KDM-006: 1570363671 <i>Recommender Systems for University Elective Course Recommendation</i> Kiratijuta Bhumichitr (Assumption University, Thailand)		EMSIP-006: 1570372244 <i>Brain Tumor's Approximate Correspondence and Area with Interior Holes Filled</i> Varin Chouvatut (Chiang Mai University, Thailand)
14.00 - 14.20	ML-018: 1570363824 <i>Multi-Role Identification of Sentences using Relevance Vector Space</i> Watcharet Kuntichod (King Mongkut's University of Technology North Bangkok (KMUTNB), Thailand)	KDM-007: 1570363745 <i>Extracting UML Class Diagrams from Software Requirements in Thai using NLP</i> Mathawan Jaiwai (Kasasart University, Thailand)		
14.20 - 14.40	ML-019: 1570355054 <i>Northern Thai Dialect Text to Speech</i>	KDM-008: 1570363774 <i>The Classification of Sets of Medical Procedures Used in The Treatment of Diabetes and/or Hypertension</i>		

	Pannakorn Chao- angthong (Chulalongkorn, Thailand)	Kanokwan Rungreangsuparat (Kasetsart University, Thailand)		
14.40 - 15.00	Coffee break			