

Program Schedule

Thursday 6 th July 2017	
08:00 – 09:00	Registration
09:00 – 09:15	<p>Report (in Thai) by Assoc. Prof. Dr. Phayung Meesad <i>Dean of Faculty of Information Technology, King Mongkut's University of Technology North Bangkok</i></p> <p>Report (in Thai) by Mr. Niti Witthayawiroj <i>Director Office of Academic Resources and Information Technology Rajamangala University of Technology Thanyaburi</i></p> <p>Report by Prof. Dr.-Ing. habil. Herwig Unger <i>IC²IT2017 Technical Program Chair, Fern University in Hagen, Germany</i></p>
09:15 – 09:30	Welcome Speech by Assoc. Prof. Dr. Prasert Pinpathomrat <i>President of Rajamangala University of Technology Thanyaburi</i>
09:30 – 09:45	Opening Ceremony by Prof. Dr. -Ing. habil. Suchart Siengchin <i>President of King Mongkut's University of Technology North Bangkok</i>
09:45 – 10:45	<p>Invited Keynote Speech by: Prof. Dr. Jie Lu</p> <ul style="list-style-type: none"> • Associate Dean in Research in the Faculty of Engineering and Information Technology at the University of Technology Sydney (UTS). <p>Topic: Fuzzy Transfer Learning for Prediction and Decision Support</p>
10:45 – 11:00	<i>Coffee Break</i>
11:00 – 12:00	<p>Invited Keynote Speech by: Prof. Dr. Hanno Lefmann</p> <ul style="list-style-type: none"> • Professor for Theoretical Computer Science and Information Security at Chemnitz University of Technology, Germany. <p>Topic: Testing and Estimating Graph Parameters for Monotone Properties</p>
12:00 – 13:00	<i>Lunch</i>
13:00 – 18:00	Paper Presentation
18:00 – 22:00	Welcome Dinner

Thursday 6th July 2017	
Room: COMPLEX NETWORKS & SYSTEMS	
13:00 – 13:20 IC2IT2017-32	A Comparative Study of IXP in Europe and US from a Complex Network Perspective <i>Zhongyan Fan, Wallace K.S. Tang, Dong Lin and Doujie Li</i>
13:20 – 13:40 IC2IT2017-81	Optimum Route Recommendation System to Escape Disaster Environment <i>Chayanon Sub-R-Pa, Goutam Chakraborty and Bhabani Sinha</i>
13:40 – 14:00 IC2IT2017-78	Pseudo-Ranging Based on Round-Trip Time of Bluetooth Low Energy Beacons <i>Supatana Hengyotmark, Teerayut Horanont, Kamol Kaemarungsi and Fukawa Kazuhiko</i>
14:00 – 14:20 IC2IT2017-6	A Three Level Architecture for Wireless Communication using Li-Fi <i>Satyanarayana Degala and Sathyashree Selvaraj Degala</i>
14:20 – 14:40 IC2IT2017-76	Overhead Reduction for Route Repair in Mobile Ad Hoc Networks <i>Worrawat Narongkhachavana and Sumet Prabhavat</i>
14:40 – 15:00 IC2IT2017-88	A Dynamic Routing for Load Distribution in Mobile Ad-Hoc Network <i>Metha Rungtaveesak, Noppawit Chartkajekaew, Worrawat Narongkhachavana, Thananop Thongthavorn and Sumet Prabhavat</i>
15:00 – 15:20	<i>Coffee Break</i>
Room: DATA MINING METHODOLOGIES	
<i>Session Chair:</i>	
15:20 – 15:40 IC2IT2017-74	Applying Stochastic Evolutionary Algorithm for Correlation Control in Monte Carlo Simulation <i>Anamai Na-Udom and Jaratsri Rungrattanaubol</i>
15:40 – 16:00 IC2IT2017-75	Impurity Measurement in Selecting Decision Node Tree That Tolerate Noisy Cases <i>Benjawan Srisura</i>
16:00 – 16:20 IC2IT2017-83	OMFO: A new Opposition-based Moth-Flame Optimization Algorithm for Solving Unconstrained Optimization Problems <i>Wirote Apinantanakon and Khamron Sunat</i>
16:20 – 16:40 IC2IT2017-85	A Hybrid of Fractal Code Descriptor and Harmonic Pattern Generator for Improving Speech Recognition of Different Sampling Rates <i>Rattaphon Hokking and Kuntpong Woraratpanya</i>
16:40 – 17:00 IC2IT2017-24	Ensemble Features Selection Algorithm by Considering Features Ranking Priority <i>Puripat Thongkam and Pakorn Leesutthipornchai</i>
17:00 – 17:20 IC2IT2017-38	User Independency of SSVEP Based Brain Computer Interface Using ANN Classifier: Statistical Approach <i>Md. Kamrul Hasan, Md. Samiul H. Sunny, Shifat Hossain and Mohiuddin Ahmad</i>
17:20 – 17:40 IC2IT2017-15	Analysis of Two-Missing-Observation 4x4 Latin Squares Using the Exact Approach <i>Kittiwat Sirikasemsuk and Kanogkan Leerojanaprapa</i>
17:40 – 18:00 IC2IT2017-11	Software Size Estimation in Design Phase Based on MLP Neural Network <i>Benjamas Panyangam and Matinee Kiewkanya</i>
18:00 – 22:00	Welcome Dinner and Best Paper Award Presentation

Friday 7 th July 2017	
08:00 – 09:00	Registration
09:00 – 10:00	Invited Keynote Speech by: Prof. Dr. Prabhas Chongstitvatana <ul style="list-style-type: none"> • Professor in the Department of Computer Engineering, Chulalongkorn University.
	Topic: Machine Learning Trends for Big Data
10:00 – 10:20	<i>Coffee Break</i>
10:20 – 12:00	Paper Presentation
12:00 – 13:00	<i>Lunch</i>
13:00 – 16:40	Paper Presentation

Friday 7 th July 2017	
Room: COMPLEX NETWORKS & SYSTEMS	
09:00 – 09:20 IC2IT2017-68	Message-Oriented Middleware for System Communication: A Model-based Approach <i>Roland Petrasch</i>
09:20 – 09:40 IC2IT2017-26	An Enhanced Deep Convolutional Encoder-Decoder Network for Road Segmentation on Aerial Imagery <i>Teerapong Panboonyuen, Peerapon Vateekul, Kulsawasd Jitkajornwanich and Siam Lawawirojwong</i>
09:40 – 10:00 IC2IT2017-12	Comparative Study of Computational Time that HOG Used For Vehicle Detection <i>Natthariya Laopracha and Khamron Sunat</i>
10:00 – 10:20	<i>Coffee Break</i>
Room: DATA MINING APPLICATIONS	
10:20 – 10:40 IC2IT2017-54	An Application of Data Mining and Machine Learning for Weather Forecasting <i>Risul Islam Rasel, Nasrin Sultana and Phayung Meesad</i>
10:40 – 11:00 IC2IT2017-72	A Comparative Analysis of Bayesian Network and ARIMA Approaches to Malaria Outbreak Prediction <i>A. H. M. Imrul Hasan, Peter Haddawy and Saranath Lawpoolsri</i>
11:00 – 11:20 IC2IT2017-8	A Multiple-stage Classification of Fall Motions Using Kinect Camera <i>Orasa Patsadu, Bunthit Watanapa and Chakarida Nukoolkit</i>
11:20 – 11:40 IC2IT2017-3	Recognizing Quality of Floor Tiling from Knocking Signals Using HMMs <i>Rong Phoophuangpairoj</i>
11:40 – 12:00 IC2IT2017-41	Knee Implant Orientation Estimation for X-Ray Images Using Multiscale Dual Filter and Linear Regression Model <i>Theerawee Kulkongkoon, Nagul Cooharajanone and Rajalida Lipikorn</i>
12:00 – 13:00	<i>Lunch</i>

Room: DATA MINING APPLICATIONS	
13:00 – 13:20 IC2IT2017-43	Bodily Posture Recognition with Weighted Dimension on Kinect Data Stream <i>Chattriya Jariyavajee, Booncharoen Sirinaovakul and Jumpol Polvichai</i>
13:20 – 13:40 IC2IT2017-49	A New Streaming Learning for Stream Chunk Data Classification Based on Incremental Learning and Adaptive Boosting Algorithm <i>Niphat Claypo, Anantaporn Hanskunatai and Saichon Jaiyen</i>
13:40 – 14:00 IC2IT2017-19	Data Driven Prediction of Dengue Incidence in Thailand <i>Nirosha Dinayadura, Armin Mikler, Jayantha Muthukudage, Chetan Tiwari and Reynaldo Quiroz</i>
14:00 – 14:20 IC2IT2017-100	The Poet Identification Using Convolutional Neural Networks <i>Sajjaporn Waijanya and Nuttachot Promrit</i>
Room: NATURAL LANGUAGE PROCESSING	
14:20 – 14:40 IC2IT2017-22	Android IR - Full-text Search for Android <i>Mario Kubek, Robert Schweda and Herwig Unger</i>
14:20 – 14:40 IC2IT2017-62	Sequentially Grouping Items into Clusters of Unspecified Number <i>Maytiyanin Komkhao, Mario Kubek and Wolfgang A. Halang</i>
14:40 – 15:00 IC2IT2017-52	Word2Vec Approach for Sentiment Classification Relating to Hotel Reviews <i>Jantima Polpinij, Natthakit Srikanjanapert and Paphonput Sapon</i>
15:00 – 15:20	<i>Coffee Break</i>
15:20 – 15:40 IC2IT2017-77	Improving Aspect Extraction Using Aspect Frequency and Semantic Similarity-Based Approach for Aspect-Based Sentiment Analysis <i>Toqir Rana and Yu-N Cheah</i>
15:40 – 16:00 IC2IT2017-70	Recognize the Same Users across Multiple Online Social Networks <i>Siqi Li, Wenxin Liang and Xianchao Zhang</i>
16:00-16:20 IC2IT2017-48	Business Popularity Analysis from Twitter <i>Pajaree Yaisawas, Sukanlaya Lerdsri, Bundit Thanasopon and Ponrudee Netisopakul</i>
16:20-16:40 IC2IT2017-45	Language and Text-Independent Speaker Recognition System Using Energy Spectrum and MFCCs <i>Pafan Doungpaisan and Anirach Mingkhwan</i>