

Program Schedule

Thursday 5 th July 2018	
08:00 – 09:00	Registration
09:00 – 09:15	Report (in Thai) by Assoc.Prof.Dr.Phayung Meesad , <i>Dean, Faculty of Information Technology</i> <i>King Mongkut's University of Technology North Bangkok</i> Report by Prof.Dr.-Ing. habil. Herwig Unger , <i>IC²IT2018 Technical Program Chair</i> <i>Fern University in Hagen, Germany</i>
09:15 – 09:30	Opening Ceremony by Prof. Dr. -Ing. habil. Suchart Siengchin , <i>President of King Mongkut's University of Technology North Bangkok</i>
09:30 – 09:45	Group Photo
09:45 – 10:45	Invited Keynote Speech by: Professor Dr.Chris Biemann <ul style="list-style-type: none">• Language Technology, Department of Informatics, Universität Hamburg, Germany.
10:45 – 11:00	<i>Coffee Break</i>
11:00 – 12:00	Invited Keynote Speech by: Professor Dr.Martin Hagan <ul style="list-style-type: none">• School of Electrical and Computer Engineering, Oklahoma State University, USA.
12:00 – 13:00	<i>Lunch</i>
13:00 – 18:00	Paper Presentation
18:00 – 22:00	Welcome Dinner

Thursday 5th July 2018

Room: DATA MINING AND MACHINE LEARNING

13:00 – 13:20 IC2IT2018-22	Combining Multiple Features for Product Categorisation by Multiple Kernel Learning <i>Chanawee Chavaltada, Kitsuchart Pasupa and David Haroon</i>
13:20 – 13:40 IC2IT2018-62	ARMFEG: Association Rule Mining by Frequency-Edge-Graph for Rare Items <i>Pramool Suksakaophon, Phayung Meesad and Herwig Unger</i>
13:40 – 14:00 IC2IT2018-55	Hybrid Filtering Approach for Linked Open Data Exploration Applied to a Scholar Object Linking System <i>Siraya Sitthisarn and Nariman Virasit</i>
14:00 – 14:20 IC2IT2018-75	Sugarcane Yield Grade Prediction using Random Forest with Forward Feature Selection and Hyper-parameter Tuning <i>Phusanisa Charoen-Ung and Pradit Mittrapiyanuruk</i>
14:20 – 14:40 IC2IT2018-31	The Efficacy of using Virtual Reality for Job Interviews and its Effects on Mitigating Discrimination <i>Rico Beti, Faris Khatib and David Cook</i>
14:40 – 15:00 IC2IT2018-84	Diabetes Classification with Fuzzy Genetic Algorithm <i>Wissanu Thungrut and Naruemon Wattanapongsakorn</i>
15:00 – 15:20	<i>Coffee Break</i>
15:20 – 15:40 IC2IT2018-60	Decision Fusion Using Fuzzy Dempster-Shafer Theory <i>Somnuek Surathong, Sansanee Auephanwiryakul and Nipon Theera-Umpo</i>
15:40 – 16:00 IC2IT2018-72	Enhanced Manhattan-based Clustering using Fuzzy C-Means Algorithm <i>Joven Tolentino, Bobby Gerardo and Ruji Medina</i>
16:00 – 16:20 IC2IT2018-83	The Cooperation of Candidate Solutions Vortex Search for Numerical Function Optimization <i>Wirote Apinantanakon, Siriporn Pattanakitsiri and Pochra Uttamaphant</i>
16:20 – 16:40 IC2IT2018-38	Integrating Multi-agent System, Geographic Information System, and Reinforcement Learning to Simulate and Optimize Traffic Signal Control <i>Hoang Van Dong, Bach Quoc Khanh, Nguyen Tran Lich and Nguyen Thi Ngoc Anh</i>

Room: SOFTWARE ENGINEERING

16:40 – 17:00 IC2IT2018-44	A Comparative Study on Scrum Simulations <i>Sakgasit Ramingwong, Lachana Ramingwong, Kenneth Cosh and Narissara Eiamkanitchat</i>
17:00 – 17:20 IC2IT2018-61	Transformation of State Machines for a Microservice- based Event-Driven Architecture: A proof-of-concept <i>Roland Petrasch</i>
17:20 – 17:40 IC2IT2018-32	Knowledge Discovery from Thai Research Articles by Solr-based Faceted Search <i>Siripinyo Chantamunee, Chun Che Fung, Kok Wai Wong and Chaiyun Dumkeaw</i>
18:00 – 22:00	Welcome Dinner and Best Paper Award Presentation

Friday 6th July 2018

08:00 – 09:00	Registration
09:00 – 10:00	Paper Presentation
10:00 – 10:20	<i>Coffee Break</i>
10:20 – 12:00	Paper Presentation
12:00 – 13:00	<i>Lunch</i>
13:00 – 18:00	Paper Presentation

Friday 6th July 2018

Room: NETWORK AND SECURITY

09:00 – 09:20 IC2IT2018-73	Subset Sum-Based Variable Secret Sharing Scheme for Secure Multiparty Computation <i>Romulo Olalia Jr., Ariel Sison and Ruji Medina</i>
09:20 – 09:40 IC2IT2018-27	The Semantics Loss Tracker of Firewall Rules <i>Suchart Khummanee</i>
09:40 – 10:00 IC2IT2018-29	Cryptanalysis of a Multi-Factor Biometric-Based Remote Authentication Scheme <i>Sirapat Boonkrong</i>
10:00 – 10:20	<i>Coffee Break</i>
10:20 – 10:40 IC2IT2018-35	Haptic Alternatives for Mobile Device Authentication by Older Technology Users <i>Kulwinder Kaur and David Cook</i>
10:40 – 11:00 IC2IT2018-07	The new Modified Methodology to Solve ECDLP based on Brute Force Attack <i>Kritsanapong Somsuk and Chalida Sanemueang</i>

Room: NATURAL LANGUAGE PROCESSING

11:00 – 11:20 IC2IT2018-12	Short Text Topic Model with Word Embeddings and Context Information <i>Xianchao Zhang, Ran Feng and Wenxin Liang</i>
11:20 – 11:40 IC2IT2018-53	Temporal Analysis of Twitter Response and Performance Evaluation of Twitter Channels using Capacitor Charging Model <i>Sirisup Laohakiat, Photchanan Ratanajaipan, Krissada Chalermsook, Leenhapat Navaravong, Rachanee Ungrangsi, Krissada Maleewong and Aekavute Sujarae</i>
11:40 – 12:00 IC2IT2018-24	On Evolving Text Centroids <i>Herwig Unger and Mario Kubek</i>
12:00 – 13:00	<i>Lunch</i>
13:00 – 13:20 IC2IT2018-18	Thai Word Safe Segmentation with bounding extension for Data Indexing in Search Engine <i>Prapeepat Uewichitrapochana, Achariya Klahan, Sukunya Pannoi and Rungrat Wiangsripanawan</i>
13:20 – 13:40 IC2IT2018-71	Robust Kurtosis Projection Approach for Mangrove Classification <i>Dyah Erny Herwindiati</i>

Room: IMAGE PROCESSING AND INFORMATION TECHNOLOGY

13:40 – 14:00 IC2IT2018-65	Digital Image Watermarking Based on Fuzzy Image Filter <i>K. M. Sadrul Ula, Thitiporn Pramoun, Surapont Toomnark and Thumrongrat Amornraksa</i>
14:00 – 14:20 IC2IT2018-26	Image Watermarking Against Vintage and Retro Photo Effects <i>Piyanart Chotikawanid, Thitiporn Pramoun, Pipat Supasirisun and Thumrongrat Amornraksa</i>

Room: IMAGE PROCESSING AND INFORMATION TECHNOLOGY	
14:20 – 14:40 IC2IT2018-88	Performance Analysis of Lossless Compression Algorithms on Medical Images <i>I Made Alan Priyatna, Media Ayu and Teddy Mantoro</i>
14:40 – 15:00 IC2IT2018-57	Brain Wave Pattern Recognition of Two-Task Imagination by Using Single-Electrode EEG <i>Sararat Wannajam and Wachirawut Thamviset</i>
15:00 – 15:20	<i>Coffee Break</i>
15:20 – 15:40 IC2IT2018-85	Isarn Dharma Handwritten Character Recognition using Neural Network and Support Vector Machine <i>Saowaluk Thaiklang and Pusadee Seresangtakul</i>
15:40 – 16:00 IC2IT2018-17	Generations and Level of Information on Mobile Devices Usage: An Entropy-Based Study <i>Charnsak Srisawatsakul and Waransanang Boontarig</i>
16:00-16:20 IC2IT2018-39	Requirement Patterns Analysis and Design of Online Social Media Marketing for Promoting Eco-tourism in Thailand <i>Orasa Tetiwat, Vatcharaporn Esichaikul and Ranee Esichaikul</i>
16:20-16:40 IC2IT2018-23	The Empirical Discovery of Near-Optimal Oine Cache Replacement Policies for Nonuniform Objects <i>Thepparit Banditwattanawong</i>
16:40-17:00 IC2IT2018-45	Organic Farming Policy Effects in Northern of Thailand: Spatial Lag Analysis <i>Ke Nunthasen and Waraporn Nunthasen</i>
17:00-17:20 IC2IT2018-13	Approaching Mobile Constraint-based Recommendation to Car Parking System <i>Khin Mar Win and Benjawan Srisura</i>