

Conference Program

Time	Program	Room
22 July 2015		
8:00 - 9:00	Registration	BSc 4
9:00 - 9:30	Opening Ceremony	BSc 4
9:30 - 10:30	Keynote Speech I	BSc 4
10:30 - 11:00	Coffee/Tea Break	BSc 3
11:00 - 12:00	Oral Presentation	BSc 304, BSc 305, BSc 306
12:00 - 13:00	Lunch	BSc 3
13:00 - 14:20	Oral Presentation	BSc 304, BSc 305, BSc 306
14:20 - 15:00	Coffee/Tea Break	BSc 3
15:00 - 16:20	Oral Presentation	BSc 304, BSc 305, BSc 306
23 July 2015		
9:00 - 10:00	Keynote Speech II	BSc 4
10:00 - 10:30	Coffee/Tea Break	BSc 3
10:30 - 12:00	Oral Presentation	BSc 304, BSc 305, BSc 306
9:30 - 17:00	*** eHPC Workshop ***	BSc 303
12:00 - 13:00	Lunch	BSc 3
13:00 - 15:00	Oral Presentation	BSc 304, BSc 305, BSc 306
15:00 - 15:30	Coffee/Tea Break	BSc 3
18:00 - 21:00	Banquet and Best Paper Award	Khaimook Room, Diamond Plaza Hotel
24 July 2015		
8:30 - 12:00	Excursion	

Oral Presentation Program

Day 1: 22 July 2015

Room BSc 304

Time	Title
Computational Intelligence	
11:00 - 11:20	Object Detection based on Fast Template Matching through Adaptive Partition Search <i>Wisarat Chantara and Yo-Sung Ho</i>
11:20 - 11:40	Human Activity Recognition from Basic Actions Using Graph Similarity Measurement <i>Nattapon Noorit and Nikom Suvonvorn</i>
11:40 - 12:00	Exploiting the Topology Property of Social Network for Rumor Detection <i>Yekang Yang, Kai Niu and Zhiqiang He</i>
Lunch	
Computational Intelligence	
13:00-13:20	Resourceful Method to Remove Mixed Gaussian-Impulse Noise in Color Image <i>Sakon Chankhachon and Sathit Intajag</i>
13:20-13:40	Video Authentication using Spatio-Temporal Signature for Surveillance System <i>Teerasak Kroputaponchai and Nikom Suvonvorn</i>
13:40-14:00	High Level Fusion of Profile-based Human Action Recognition using Multi-view RGBD Information <i>Pongsagorn Chalearnnetkul and Nikom Suvonvorn</i>
14:00-14:20	Dynamic Contour Matching for Hand Gesture Recognition from Monocular Image <i>Ariyawat Chonbodeechalermroong and Thanarat H Chalidabhongse</i>
Coffee Break	
Computational Intelligence	
15:00-15:20	Robust Human Tracking Based on Multi-Features Particle Filter <i>Tassaphan Suwannatat, Nakorn Indra-Payoong and Krisana Chinnasarn</i>
15:20-15:40	Using Word-cooccurrence to Determine Health Problems from Health-Care documents <i>Onuma Moolwat</i>
15:40-16:00	A New Ensemble Model based on Linear Mapping, Non-Linear Mapping and Probability Theory for Classification Problems <i>Anusorn Charleonnann and Saichon Jaiyen</i>
16:00-16:20	Bank Direct Marketing Analysis of Asymmetric Information Based on Machine Learning <i>Pumitara Ruangthong and Saichon Jaiyen</i>

Day 1: 22 July 2015

Room BSc 305

Time	Title
Information Technology	
11:00 - 11:20	Electronic Health Information Standard based on CDA for Thai Medical System: focused on Medical Procedures in Medium-sized Hospitals (HOSxP) <i>Napat Sarutiyapithorn, Nutrugee Wisawanart, Mutita Saowaneevitak, Worapan Kusakunniran and Kittikhun Thongkan</i>
11:20 - 11:40	Accommodation Recommendation System from User Reviews based on Feature-based Weighted Non-negative Matrix Factorization Method <i>Thanatcha Lertripinyo, Pariyawit Jatukannyaprateep, Nakornthip Prompoon and Chate Pattanothai</i>
11:40 - 12:00	Applying QR Code and Mobile Application to Improve Service Process in Thai Hospital <i>Chayakrit Charoensiriwath, Navaporn Surasvadi, Suporn Pongnumkul and Thunyasit Pholprasit</i>
Lunch	
Software Engineering	
13:00-13:20	A Knowledge Transfer Framework for Secure Coding Practices <i>Maleerat Sodanil, Nalinpat Porrawatpreyakorn, Gerald Quirchmayr and A Min Tjoa</i>
13:20-13:40	Tai Chi Thought and Research on Software Problems <i>Ming-zhen Liu and Ya-feng Liu</i>
13:40-14:00	Applied Research on a Software Black Box <i>Ming-zhen Liu</i>
14:00-14:20	Distributed Agile Patterns for Offshore Software Development <i>Maryam Kausar and Adil Al-Yasiri</i>
Coffee Break	
Software Engineering	
15:00-15:20	Method for Mobile User Interface Design Patterns Creation for iOS Platform <i>Thara Wetchakorn and Nakornthip Prompoon</i>
15:20-15:40	Dual Semiosis Analysis Model - Managing Customer-focused Service Innovation <i>Winai Nadee, Muna Alhammad, Amaad Uppal, Samnan Ali and Stephen Gulliver</i>
15:40-16:00	A Visual Editor for Language-Independent Scripting for BPMN Modeling <i>Jessada Wiriyakul and Twittie Senivongse</i>
16:00-16:20	Predicting Cross-Site Scripting (XSS) Security Vulnerabilities in Web Applications <i>Mukesh Kumar Gupta, Mahesh Chandra Govil and Girdhari Singh</i>

Day 1: 22 July 2015

Room BSc 306

Time	Title
Computer Networks and Communications	
11:00 - 11:20	Classification Model of Network Intrusion using Weighted Extreme Learning Machine <i>Worachai Srimuang and Silada Intarasothonchun</i>
11:20 - 11:40	An Optimization Approach to Capacity Planning of Aggregators and Resource Provisioning in Cloud Providers for Meteorological Sensor Network <i>Nay Myo Sandar, Lin Min Min Myint and Sivadon Chaisiri</i>
11:40 - 12:00	Distributed Game Theory-based Routing Protocol for Cognitive Radio Ad Hoc Networks <i>Soodeh Amiri, Ghasem Mirjalily and Jamshid Abouei</i>
Lunch	
Computer Networks and Communications	
13:00-13:20	A Security Model of Voice Eavesdropping Protection over SIP-based VoIP with XTR Cryptography <i>Nikarn Thuayabat and Supachai Tangwongsan</i>
13:20-13:40	Unequal Initial Energy Assignment in Wireless Sensor Networks <i>Pichatorn Eak-Une and Chotipat Pornavalai</i>
13:40-14:00	An Efficient and Scalable Coordinating Algorithm for Distributed Network Intrusion Detection System <i>Tewapong Wongkhuenkaew and Pruet Boonma</i>
14:00-14:20	Expansion of Vehicular Cloud Services on crossroads using Fuzzy Logic and Genetic Algorithm <i>Erfan Arzhmand and Hossein Rashid</i>
Coffee Break	
Computer Systems	
15:00-15:20	A novel secure channel selection rule for spatial image steganography <i>Tuan Duc Nguyen, Somjit Arch-Int and Ngamnij Arch-Int</i>
15:20-15:40	Accelerator Circuits for Quantum Simulation <i>Yuranan Kitrungrosakul and Prabhas Chongstitvatana</i>
15:40-16:00	Modeling and Analysis of Two-factor Authentication Protocol for USB Digital Evidence Acquisition Devices <i>Siripoom Laptikultham and Suratose Tritilanunt</i>
16:00-16:20	Human Activity Monitoring System Based on WSNs <i>Jakkrit Sriwan and Wannarat Suntiamorntut</i>

Day 2: 23 July 2015

Room BSc 304

Time	Title
Computational Intelligence	
10:30 - 10:50	Fall Detection using Directional Bounding Box <i>Apichet Yajai, Annupan Rodtook, Krisana Chinnasarn and Suwanna Rasmequan</i>
10:50 - 11:10	Vehicle Tracking in Low Hue Contrast Based on CAMShift and Background Subtraction <i>Nitipat Sirikuntamat, Shin'ichi Satoh and Thanarat H Chalidabhongse</i>
11:10 - 11:30	The Constant Time of Predictive Algorithm for Music Recommendation with Time Context <i>Sumet Darapisut, Ureerat Suksawatchon and Jakkarin Suksawatchon</i>
11:30 - 11:50	Constructing a Phonetic Transcribed Text Corpus for Southern Thai Dialect Speech Recognition <i>Sittichok Aunkaew, Montri Karnjanadecha and Chai Wutiwiwatchai</i>
Lunch	
Software Application and Development	
13:00-13:20	Design and Implementation of a Family Robot <i>Yu-Han Kao and Wen-June Wang</i>
13:20-13:40	Analyzing and Searching Process of Internet Username and Password Stored in Random Access Memory (RAM) <i>Sasithorn Thongjul and Suratose Tritilanunt</i>
13:40-14:00	Shopping Navigation System for Visual Impaired People Based on Proximity-Based Technology <i>Taweekiat Trongwongsa, Kulvaree Chankrachang, Nakornthip Prompoon and Chate Pattanothai</i>
14:00-14:20	A Linear-Clustering Algorithm for Controlling Quality of Large Scale Water-Level Data in Thailand <i>Nuttapon Pattanavijit, Peerapon Vateekul and Kanoksri Sarinnapakorn</i>
14:20-14:40	An Information Extraction Framework for Legal Documents: a Case Study of Thai Supreme Court Verdicts <i>Kankawin Kowsrihawat and Peerapon Vateekul</i>
Coffee Break	

Day 2: 23 July 2015

Room BSc 305

Time	Title
Software Engineering	
10:30 - 10:50	Test Cases Prioritization for Software Regression Testing Using Analytic Hierarchy Process <i>Piyakarn Klindee and Nakornthip Prompoon</i>
10:50 - 11:10	Video Surveillance as a Service Cost Estimation and Pricing Model <i>Thanathip Limna and Pichaya Tandayya</i>
11:10 - 11:30	Formal Verification of JADE Behaviour: A Modeling Approach <i>Chittra Roungrongsom and Denduang Pradubsuwun</i>
11:30 - 11:50	Necessary Skills and Attitudes for Development Team Members in Scrum: Thai Experts' and Practitioners' Perspectives <i>Penprapa Bootla, Olarn Rojanapornpun and Pornchai Mongkolnam</i>
Lunch	
Knowledge and Data Management/Information Retrieval	
13:00-13:20	CLUS: A New Hybrid Sampling Classification for Imbalanced Data <i>Wanthanee Prachuabsupakij</i>
13:20-13:40	Concept drift for CRD prediction in broiler farms <i>Kritsada Channoi and Suthathip Maneewongvatana</i>
13:40-14:00	Alternating Least Squares with Incremental Learning Bias <i>Than Htike Aung and Rachsuda Jiamthapthaksin</i>
14:00-14:20	KeyGraph and Wordnet Hypernyms for Topic Detection <i>Kasun Perera and Damitha Karunaratna</i>
14:20-14:40	DistEQ: Distributed Equality Query Processing on Encoded Bitmap Index <i>Naphat Keawpibal, Jarunee Duangsuwan, Wiphada Wettayaprasit, Ladda Preechaveerakul and Sirirut Vanichayobon</i>
Coffee Break	

Day 2: 23 July 2015

Room BSc 306

Time	Title
Multimedia and Computer Graphics/Computational Science and Engineering	
10:30 - 10:50	Applying Relief Mapping on Augmented Reality <i>Kosin Kalarat</i>
10:50 - 11:10	Workflow Translation and Dynamic Invocation for Image Processing Based on OpenCV <i>Attasuntorn Traisuwan, Pichaya Tandayya and Thanathip Limna</i>
11:10 - 11:30	First Person Movement Control with Palm Normal and Hand Gesture Interaction in Virtual Reality <i>Chaowanan Khundam</i>
11:30 - 11:50	Smartphone Posture Monitoring System to Prevent Unhealthy Neck Posture <i>Worawat Lawanont, Pornchai Mongkolnam and Chakarida Nukoolkit</i>
Lunch	
Computational Intelligence/Information Technology/Knowledge and Data Management/Computational Science and Engineering	
13:00-13:20	An Automated Stock Recommendation System from Stock Investment Research using Domain Specific Information Extraction <i>Tayida Tapjinda, Potsawee Vechpanich, Nutchaya Leelasupakul, Nakornthip Prompoon and Chate Patanothai</i>
13:20-13:40	E-Commerce Web Page Classification Based on Automatic Content Extraction <i>Warid Petprasit and Saichon Jaiyen</i>
13:40-14:00	Applying KSE-test and K-means clustering towards Scalable Unsupervised Intrusion Detection <i>Thanachai Jirachan and Kerk Piromsopa</i>
14:00-14:20	Controlled and Collaborative Presentation via Tablet PCs for Classroom and Meeting Room Uses <i>Prissadang Suta, Pornchai Mongkolnam and Wichai Eamsinvattana</i>
14:20-14:40	Monitoring and Visualizing the Daily Activities and In-house Locations Using Smartphone <i>Sittichai Sukreep, Pornchai Mongkolnam and Chakarida Nukoolkit</i>
14:40-15:00	A Faster Algorithm for the Tree Containment Problem for Binary Nearly Stable Phylogenetic Networks <i>Jittat Fakcharoenphol, Tanee Kumpijit and Attakorn Putwattana</i>
Coffee Break	