

**Thursday 5<sup>th</sup> July 2018**

08:00 – 09:00	<b>Registration</b>
09:00 – 09:15	Report (in Thai) by <b>Assoc.Prof.Dr.Phayung Meesad</b> , <i>Dean, Faculty of Information Technology King Mongkut's University of Technology North Bangkok</i>  Report by <b>Prof.Dr.-Ing. habil. Herwig Unger</b> , <i>IC<sup>2</sup>IT2018 Technical Program Chair Fern University in Hagen, Germany</i>
09:15 – 09:30	Opening Ceremony by <b>Prof. Dr. -Ing. habil. Suchart Siengchin</b> , <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: <b>Professor Dr.Chris Biemann</b> <ul style="list-style-type: none"><li>• Language Technology, Department of Informatics, Universität Hamburg, Germany.</li></ul>
10:45 – 11:00	<i>Coffee Break</i>
11:00 – 12:00	Invited Keynote Speech by: <b>Professor Dr.Martin Hagan</b> <ul style="list-style-type: none"><li>• School of Electrical and Computer Engineering, Oklahoma State University, USA.</li></ul>
12:00 – 13:00	<i>Lunch</i>
13:00 – 15:00	<b>Paper Presentation</b>
15:00 – 15:20	<i>Coffee Break</i>
15:00 – 17:40	<b>Paper Presentation</b>
18:00 – 22:00	<i>Welcome Dinner and Best Paper Award Presentation</i>

Thursday 5<sup>th</sup> July 2018

Room I: DATA SCIENCE AND MACHINE LEARNING

13:00 – 13:20 NCCIT2018-193	<b>A Comparison of Partition of Initial population for Multi-objective Genetic Algorithm using by Optimal Drainage</b> <i>Prudtipong Pengsiri, Sunantha Sodsee, Phayung Meesad</i>
13:20 – 13:40 NCCIT2018-212	<b>Electrocardiogram Detection Monitoring System For Cardiovascular Disease</b> <i>Sirirat Maneein, MahasakKetcham</i>
13:40 – 14:00 NCCIT2018-130	<b>The Development of Predictive Analytical Information System for Outage Management System Using Business Intelligence</b> <i>Supatchaya Thongnuam, Montean Rattanasirivongwut</i>
14:00 – 14:20 NCCIT2018-31	<b>The Comparative Study of Parallel Algorithms for Frequent Itemsets Mining Using Map Reduce Framework</b> <i>Manwika Kittipron, Chuleerat Jaruskulchai</i>
14:20 – 14:40 NCCIT2018-98	<b>Comparison Genetic Algorithm for Solving Proctor Assignment Problem</b> <i>Aukkritthiwat Phimpha, Vatinee Nuipian</i>
14:40 – 15:00 NCCIT2018-55	<b>Deriving Conceptual Data Models from BPMN Process Model</b> <i>Anupong Hutawarakorn, Watcharee Jumpamule</i>
15:00 – 15:20	<i>Coffee Break</i>
15:20 – 15:40 NCCIT2018-9	<b>Predictive Models for Tour Package in Thailand Based on the Characteristic of Inbound Tourists with Data Mining on Cloud</b> <i>Unnadathorn Moonpen, Surasuk Mungsing, Thepparit Banditwattanawong</i>
15:40 – 16:00 NCCIT2018-167	<b>An Applied Data Mining Technique to Develop a Decision Support System for Manager to Consider Personnel</b> <i>Tossapon Nakjarung, Tanapon Jensuttiwetchakul</i>
16:00 – 16:20 NCCIT2018-2	<b>Violence Analysis of Crime Using Data Mining Techniques: A Case Study of Lomsak Police Station</b> <i>Nattavadee Hongboonmee, Maneewan Janli</i>
16:20 – 16:40 NCCIT2018-221	<b>Risk Factor Analysis of Hypertension Disease for Diabetics Using Data Mining Techniques Case Study Srinagarind Hospital</b> <i>Jatupol Jittiyapol, Chakchai So-In, Somjit Arch-int, Rapassit Chinnapatjeeras</i>
16:40 – 17:00 NCCIT2018-151	<b>The Development of Business Intelligence System for Promotion Analysis on Consumer Behavior by using Data Mining</b> <i>Nattakarn Dussdeewimol, Sakchai Tangwannawit</i>
17:00 – 17:20 NCCIT2018-54	<b>Comparing Software Testing Paths A Performance Comparison of Sale Prediction for Real Estate Using Data Mining Techniques : A Case Study of ISAAN PIMAN GROUP. Co., Ltd.</b> <i>Narong Dokkham, Chakchai So-In, Somjit Arch-int, Rapassit Chinnapatjeeras</i>
17:20 – 17:40 NCCIT2018-139	<b>E-mail Categorization of Customer Problems Using Machine Learning</b> <i>Attapol Imdom, NattaveeUtakrit</i>
18:00 – 22:00	<b>Welcome Dinner and Best Paper Award Presentation</b>

Thursday 5<sup>th</sup> July 2018

**Room II: INFORMATION TECHNOLOGY AND SYSTEM ENGINEERING**

13:00 – 13:20 NCCIT2018-200	<b>Rainfall Forecasting Using Artificial Neural Networks Self-Organizing Maps</b> <i>Vichuda Tangchuwong, Wirote Apinantanakon</i>
13:20 – 13:40 NCCIT2018-177	<b>Analysis of Link Down Problem in Fiber Optic Cable Using Data Mining Technique</b> <i>Hathaikorn Wongchunsung, Tanapon Jentsuttiwetchakul</i>
13:40 – 14:00 NCCIT2018-217	<b>Predictive Model of Computer Orders with Data Mining Techniques Things</b> <i>Sittisak Lohitsiri, Tanapon Jentsuttiwetchakul</i>
14:00 – 14:20 NCCIT2018-74	<b>Development of a Data Mining Model for Positive Brand Loyalty Analysis on Twitter</b> <i>Anongpat Sirichouychoochai, Nattavee Utakrit</i>
14:20 – 14:40 NCCIT2018-91	<b>Information Extraction from Social Media using Ontology</b> <i>Nathapon Sangkla, Somjit Arch-Int</i>
14:40 – 15:00 NCCIT2018-225	<b>Addressing Cold Start User Problem in Recommender System With Cross-Domain Collaborative Filtering</b> <i>Faozia Kasetkala, Panita Thusaranon, Thanapat Kangkachit</i>
15:00 – 15:20	<i>Coffee Break</i>
15:20 – 15:40 NCCIT2018-143	<b>Migration Model for Production Module on Open ERP Architecture</b> <i>Pornphan Ounnaharerak, Sakchai Tangwannawit</i>
15:40 – 16:00 NCCIT2018-131	<b>The Design and Development of a Management Information System for Research Scholarship for Graduate Student</b> <i>Boonruen Jenthanyakorn, Sansanee Emprakot, Tongpool Heeptaisong</i>
16:00 – 16:20 NCCIT2018-142	<b>Process Improvement Guidelines for Problem Solving of Banking System using by Six Sigma and ITIL Framework</b> <i>Siriched Chotsirikul, Sakchai Tangwannawit</i>
16:20 – 16:40 NCCIT2018-24	<b>Extractive Text Summarization for Biomedical Literature</b> <i>Radawan Srikanjanapert, Yaowapa Wongarmart, Jantima Polpinij</i>
16:40 – 17:00 NCCIT2018-144	<b>Sales Promotion System based on Customer Behavior Clustering of Expressway Authority of Thailand</b> <i>Ailada Mongkonporn, Sakchai Tangwannawit</i>
17:00 – 17:20 NCCIT2018-123	<b>Improving Matrix Factorization Model in Collaborative Filtering using Outliers Elimination</b> <i>Praponwet Bunprasert, Panita Thusaranon, Thanapat Kangkachit</i>
17:20 – 17:40 NCCIT2018-240	<b>Walking Angle Measure Program</b> <i>Piyapon Suntikan, Tiwa Kosol, Wisan Tangwongcharoen</i>
18:00 – 22:00	<b>Welcome Dinner and Best Paper Award Presentation</b>

Thursday 5<sup>th</sup> July 2018

**Room III: DATA NETWORK AND COMMUNICATION**

13:00 – 13:20 NCCIT2018-104	<b>Appliance Classification, Anomaly Detection, Management, and Controlling Systems for Smart Plugs</b> <i>Kriengsak Panphotong, Nutthanon Leelathakul, Sunisa Rimcharoen</i>
13:20 – 13:40 NCCIT2018-231	<b>Automatic Generator Control System via Wireless Technology</b> <i>Artchara Saiprajam, Sawit Thitikornwanich, Saiyan Saiyod, Jakkapong Torchot</i>
13:40 – 14:00 NCCIT2018-198	<b>Notification and Interaction via Cacti with LINE Messaging API</b> <i>Suntipong Rattanakul, Sunantha Sodsee</i>
14:00 – 14:20 NCCIT2018-228	<b>A Study on Gateway Load Balancing in Mobile Ad-hoc Network</b> <i>Supawan Keerinnon, Supasakorn Jirachoke-Nukraoh, Thananop Thongthavorn, Worrawat Narongkhachavana, Sumet Prabhavat</i>
14:20 – 14:40 NCCIT2018-62	<b>A Development of Exercise Application with Accelerometer Sensors</b> <i>Natchanon Thongmai, Jeerasak Numpradit</i>
14:40 – 15:00 NCCIT2018-99	<b>Jigsaw Solving Biometric for Mobile Devices Authentication</b> <i>Noppasit Trisittiwat, Vasin Suttichaya</i>
15:00 – 15:20	<i>Coffee Break</i>
15:20 – 15:40 NCCIT2018-108	<b>Throw Box for n2n in DTN: Case Study in Phuket Campus</b> <i>Ittipat Pliansamai, Maneenate Puongmaee</i>
15:40 – 16:00 NCCIT2018-191	<b>Chatbot: a Communication Platform for Smart Classroom</b> <i>Ekkalak Naksutthi, Nawaporn Wisitpongpan</i>
16:00 – 16:20 NCCIT2018-188	<b>Notification Improvement of PRTG Network Monitor System with Line Application</b> <i>Natthaphat Sorranundh, JeerasakNumpradit</i>
16:20 – 16:40 NCCIT2018-3	<b>Home Security Alerts System Through LINE Application Using The Concept on Internet of Things</b> <i>Chanatip Ajsantier, Jeerasak Numpradit</i>
16:40 – 17:00 NCCIT2018-69	<b>A Study of Data Transmission for Disrupted Communication in VANET</b> <i>Narongkorn Kongkhuntod, Aphirak Jansang, Anan Phonphoem</i>
17:00 – 17:20 NCCIT2018-227	<b>Wireless Mobile Device Control for Detection Metal Landmine Using Robotic</b> <i>Yanapong Khunwong, Mahasak Ketcham</i>
17:20 – 17:40 NCCIT2018-21	<b>Intelligent Energy Meter: IEM</b> <i>Anurak Thaisong, Chouvanee Srivisal</i>
18:00 – 22:00	<b>Welcome Dinner and Best Paper Award Presentation</b>

Thursday 5<sup>th</sup> July 2018

**Room IV: HUMAN INTERFACE AND IMAGE PROCESSING**

13:00 – 13:20 NCCIT2018-215	<b>Blurred Region Detection using Image Resampling Technique and Average Filter</b> <i>Sopon Phumeechanya, Parichat Sermwuthisarn</i>
13:20 – 13:40 NCCIT2018-246	<b>A Design Framework Development the Computer Graphic on Digital Media</b> <i>Boonchom Sudjit</i>
13:40 – 14:00 NCCIT2018-248	<b>Direction and Source of Sound Destination by Human Speech for Home Robot</b> <i>Napon Saisaoad, Suweena Buddasri, Saiyan Saiyod</i>
14:00 – 14:20 NCCIT2018-50	<b>The Development of Plant's Felling Simulation System to Connect with Human via Intelligent Planter</b> <i>Nutchapon Sukprasitpredee, Barami Bunyuen, Yosapol Ondee, Ponpong Asomnuk, Naruetep Suwantada</i>
14:20 – 14:40 NCCIT2018-178	<b>A Secure File Mechanism using Cryptography and Image Steganography</b> <i>Basrun Daloh, Wararat Jakawat, Sirirut Vanichayobon, Ladda Preechaveerakul</i>
14:40 – 15:00 NCCIT2018-119	<b>Applying Fully Connected Conditional Random Field Image Segmentation for Detecting Chromatic Aberration</b> <i>Warawut Kesornsukhon, Porawat Visutsak, San Ratanasanya, Narong Mettripun</i>
15:00 – 15:20	<i>Coffee Break</i>
15:20 – 15:40 NCCIT2018-224	<b>Automatic Sweet Pepper Separator using Image Processing</b> <i>Nattapong Chalermthamrong, Narongchai Pocharern, Sopon Phumeechanya, Parichat Sermwuthisarn</i>
15:40 – 16:00 NCCIT2018-96	<b>Thai Sign Language Recognition using The Leap Motion Controller</b> <i>Songvut Butham, Monlica Wattana</i>
16:00 – 16:20 NCCIT2018-208	<b>Tai Chi Workout Application using Virtual Reality for Elders</b> <i>Panupong Sukkrit, Pattarapon Poonpon, Dechawut Wanichsan, Konggrit Pitanon</i>
16:20 – 16:40 NCCIT2018-127	<b>3D Role-playing Game for Enhancing Discipline of Safe Driving</b> <i>Paranee Boonkaya, Dechawut Wanichsan, Pranpriya Kamjun, Boonruen Pruksasithorn</i>
16:40 – 17:00 NCCIT2018-254	<b>Designing Robotic Arm and Developing Robotic Arm Control Program for Drawing</b> <i>Akachai Klinbumrung, Charay Lerdsudwichai</i>
17:00 – 17:20 NCCIT2018-124	<b>Factors Affecting the Intention to Watch a Video Advertising on Facebook</b> <i>Ayuth Intrapradit, Chomnuch Boonyasiwa, Surivipa Suwunnek</i>
17:20 – 17:40 NCCIT2018-112	<b>Partial Fingerprint Matching with SURF and MSER</b> <i>Petchprink Numprasanthai, Mingmanas Sivaraksa</i>
18:00 – 22:00	<b>Welcome Dinner and Best Paper Award Presentation</b>

Thursday 5<sup>th</sup> July 2018

Room V: LEARNING SCIENCE AND COMPUTER EDUCATION

13:00 – 13:20 NCCIT2018-187	<b>The Augmented Reality for learning the historical sites in Phranakorn Khiri Historical Park</b> <i>Tanongsak Inseenan, Sukuma Uamcharoen, Jirawat Kaewgosol, Jarut Busarathid</i>
13:20 – 13:40 NCCIT2018-1	<b>Development of Game-Based Learning Media for Enhancing the Understanding of the Rules and Requirements Practice in Juvenile Training Center</b> <i>Wilawan Inchamnan, Phattara Rattanamoranon, Karuna Yampray</i>
13:40 – 14:00 NCCIT2018-113	<b>A Classification of Visual Style for 3D Games</b> <i>Mathus Theppaitoon, Voravika Wattanasoontorn</i>
14:00 – 14:20 NCCIT2018-102	<b>Adaptive Mechanism for Proportional VARK Learning Style</b> <i>Beesuda Daoruang, Soradech Krootjohn, Anirach Mingkhwan</i>
14:20 – 14:40 NCCIT2018-30	<b>The Development of A Software Module for Reducing Factors Cause Computer Vision Syndrome</b> <i>Wanchat Pookhuntod, Jitimon Angskun, Thara Angskun</i>
14:40 – 15:00 NCCIT2018-14	<b>An Attention Deficit Hyperactivity Primary Assessment Application for Teachers and Parents</b> <i>Sirikan Apiwatchatchawan, Pimpicha Nantapan, Onjira Sitthisak</i>
15:00 – 15:20	<i>Coffee Break</i>
15:20 – 15:40 NCCIT2018-247	<b>Information System on Quality Assurance Education in the Aspect of Teaching Evaluation</b> <i>Veerachai Khonchoho, Pannee Khonchoho, Jutaporn Chardnarumarn, Kriangkrai Jariyapanya</i>
15:40 – 16:00 NCCIT2018-241	<b>Model of Professional Learning Community on Mobile Learning Environment to Enhance Teacher Professional Competency of Undergraduate Students</b> <i>Kridsada Danprasittiporn, Panita Vannapirun, Siriporn Uamsiri, Anuchart Boonmark</i>
16:00 – 16:20 NCCIT2018-239	<b>The Development of WBI via Augmented Reality by using STEM Education in Digital Content Design</b> <i>Charinthorn Aumgri, Paveena Chamking, Naphong Wannapiroon</i>
16:20 – 16:40 NCCIT2018-126	<b>Motion Simulated System for Physic Study with Virtual Objects using Augmented Reality Technology</b> <i>Sathika Limawiruchaphong, Suttinee Chandarasiri, Boonprasert Surakratanasakul</i>
16:40 – 17:00 NCCIT2018-182	<b>Applying Association Rule to Recommend Training Curriculum for Yasothon Community College</b> <i>Krisada Nakphalad, Wongkot Sriurai</i>
17:00 – 17:20 NCCIT2018-237	<b>A Student Recommendation System for Vocational Education Using Case-Based Reasoning and Decision Tree</b> <i>Pornchai Rodcharoen, Pudsadee Boonrawd</i>
18:00 – 22:00	<b>Welcome Dinner and Best Paper Award Presentation</b>

**Friday 6<sup>th</sup> July 2018**

08:00 – 09:00	<b>Registration</b>
09:00 – 10:00	<b>Paper Presentation</b>
10:00 – 10:20	<i>Coffee Break</i>
10:20 – 12:00	<b>Paper Presentation</b>
12:00 – 13:00	<i>Lunch</i>
13:00 – 15:00	<b>Paper Presentation</b>
15:00 – 15:20	<i>Coffee Break</i>

Friday 6<sup>th</sup> July 2018

**Room I: DATA SCIENCE AND MACHINE LEARNING**

09:00 – 09:20 NCCIT2018-72	<b>Detection and Classification of Vehicles using Deep Learning Algorithm for Video Surveillance Systems</b> <i>Phonratichi Wairotchanaphuttha, Narong Boonsirisumpun, Wichai Puarungroj</i>
09:20 – 09:40 NCCIT2018-13	<b>Opinion Analysis System to Business by Text Mining On Twitter</b> <i>Chanita Lisirikul, Jeerasak Numpradit</i>
09:40 – 10:00 NCCIT2018-158	<b>Effective Comparison of Algorithm for Analysis Defect of Software Testing Process using Data Mining Technique</b> <i>Chanyanut Kaewtip, Sakchai Tangwannawit</i>
10:00 – 10:20	<i>Coffee Break</i>
10:20 – 10:40 NCCIT2018-117	<b>Deep Learning Method for Recommender System</b> <i>Suphawit Wongadoonwit, Saharat Harirak, Assadavud Thongthammachad, Akadej Udomchaiporn</i>
10:40 – 11:00 NCCIT2018-147	<b>Factor Extraction Method to Fault Diagnosis in Accident of Railway System Using Text Mining</b> <i>Thanyapawn Kransuk, Tanapon Jentsuttiwetchakul</i>
11:00 – 11:20 NCCIT2018-194	<b>Comparisons of Predictive Models of High Vocational Certificate Students entering the University Using Data Mining Techniques</b> <i>Patcharanikarn Pongthanoo, Jim Yuennan</i>
11:20 – 11:40 NCCIT2018-160	<b>Fake News Classification using Machine Learning Technique</b> <i>Wisith Wanishyanon, Ratthaslip Ranokphanuwat, Worapol Pongpech</i>
11:40 – 12:00 NCCIT2018-150	<b>Customer Segmentation Model for e-Banking Transaction using Data Mining</b> <i>Chutimon Chaiyo, Sakchai Tangwannawit</i>
12:00 – 13:00	<i>Lunch</i>
13:00 – 13:20 NCCIT2018-134	<b>Applied an Artificial Intelligence (AI) with Chatbot's Facebook Messenger to Help Sales Management for SME 4.0</b> <i>Chatchitsanu Pothisakha, Jeerasak Numpradit</i>
13:20 – 13:40 NCCIT2018-12	<b>Automatic Text Clustering System using Machine Learning Techniques</b> <i>Peeraphat Komolruchinonth, Wisarut Yawut, Wanthanee Prachuabsupakij</i>
13:40 – 14:00 NCCIT2018-250	<b>Applying Clustering Algorithm for Primary Screening of Patients</b> <i>Sutat Gammanee, Sunantha Sodsee</i>
14:00 – 14:20 NCCIT2018-219	<b>A Factor Analysis of Not Renew Policy Using Data Mining Technique</b> <i>Matee Iemprapai, Tanapon Jentsuttiwetchakul</i>
14:20 – 14:40 NCCIT2018-174	<b>A Comparison of Data Mining Algorithms for Vehicle Type Classification Model</b> <i>Ngamjit Phueknarin, Mahasak Ketcham</i>
14:40 – 15:00 NCCIT2018-204	<b>Development of a Sustainable Water Management System for Agriculture by Using Data Mining Techniques</b> <i>Anon Eagtasi, Jeerasak Numpradit</i>
15:00 – 15:20	<i>Coffee Break</i>

Friday 6<sup>th</sup> July 2018

**Room II: INFORMATION TECHNOLOGY AND SYSTEM ENGINEERING**

09:00 – 09:20 NCCIT2018-66	<b>Detecting Plagiarism in Thai and English Utilizing Stop-words</b> <i>Sakran Asanam, Kittitorn Sermthaisong, Jantima Polpinij</i>
09:20 – 09:40 NCCIT2018-165	<b>Performance Analysis of Ceph Storage Cooperating with Proxmox</b> <i>Kriengsak Panphotong, Aekapop Bunpeng, Nutthanon Leelathakul</i>
09:40 – 10:00 NCCIT2018-133	<b>Attendance Model by Using Google Map APIs for HR Department</b> <i>Napat Sangkhachat, Nattavee Utakrit</i>
10:00 – 10:20	<i>Coffee Break</i>
10:20 – 10:40 NCCIT2018-148	<b>The Information System of Car Rental Business for Customer Retention</b> <i>Phornchanok Panyaphol, Sakchai Tangwannawit</i>
10:40 – 11:00 NCCIT2018-233	<b>Discovering Minimal Buying Patterns with Maximum Profit from Retail Database: A Real Case</b> <i>Witsanukorn Phuimootree, Thanapat Kangkachit, Eakasit Pacharawongsakda</i>
11:00 – 11:20 NCCIT2018-36	<b>Software Process Model for Data Warehouse Management System Development</b> <i>Pojjanawat Promsawat, Watcharee Jumpamule</i>
11:20 – 11:40 NCCIT2018-162	<b>Transportation Management System with Risk Management Techniques and Tabu Search</b> <i>Ratchadaporn Sriwichai, Montean Rattanasiriwongwut</i>
11:40 – 12:00 NCCIT2018-129	<b>Sentiment Part of Speech in Thai Online Reviews</b> <i>Isaraparb Lorattanachaiyong</i>
12:00 – 13:00	<i>Lunch</i>
13:00 – 13:20 NCCIT2018-152	<b>Zsmell: Code Smell Discovery on GitHub</b> <i>Aziz Nanthaamornphong, Tanawat Saeang, Tunyared Khiawthong, Panyaprach Tularak</i>
13:20 – 13:40 NCCIT2018-176	<b>Business Intelligence System for Employee Turnover Analysis in Organization</b> <i>Tamonwan Thumrongsuttiapan, Montean Rattanasiriwongwut</i>
13:40 – 14:00 NCCIT2018-136	<b>Improving IT Hardware Maintenance System using QR Code, the Case Study in the Computer Center, Roi-Et Rajabhat University</b> <i>Prawit Pimpisan, Gla Bhumpayak, Wathinee Duang-onnam, Pinyo Ardsalee</i>
14:00 – 14:20 NCCIT2018-218	<b>Travel Recommendation System Using Hybrid Filtering On Web Application</b> <i>Parnupong Pawapotako, Tanasanee Phienthrakul</i>
14:20 – 14:40 NCCIT2018-197	<b>Enhancing Collaborative Filtering for Recommender System with Social Relationship Data</b> <i>Napawan Dussadeewettakul, Wirat Jareevongpiboon</i>
14:40 – 15:00 NCCIT2018-67	<b>Geographic Information System for Customer Relationship Management</b> <i>Patipatpong Sakdee, Somsri Jarupadung, Ladda Preechaveerakul, Sirirut Vanichayobon</i>
15:00 – 15:20	<i>Coffee Break</i>

Friday 6<sup>th</sup> July 2018

**Room III: DATA NETWORK AND COMMUNICATION**

09:00 – 09:20 NCCIT2018-183	<b>Study of Open Source Web Application Firewalls Case study of Social Security Office</b> <i>Benjaporn Outapao, Pongpisit Wuttidittachotti</i>
09:20 – 09:40 NCCIT2018-27	<b>Effect of Antenna Alignment on RFID Tag Readability</b> <i>Krittiya Boonteeranon, Wilawan Rukpakavong, Kannikar Subsomboon</i>
09:40 – 10:00 NCCIT2018-135	<b>The Development of Smart Home Prototype using Face Recognize System on Raspberry Pi Computer</b> <i>Supachai Thongsuk</i>
10:00 – 10:20	<i>Coffee Break</i>
10:20 – 10:40 NCCIT2018-42	<b>Performance Evaluation of K8s Container Networking</b> <i>Pornraksa Kamolvage, Chaiyaporn Khemapatapan</i>
10:40 – 11:00 NCCIT2018-213	<b>A Development of Chatbot Marketing for Social Media Message</b> <i>Navapat Supasillawat, Sunantha Sodsee</i>
11:00 – 11:20 NCCIT2018-166	<b>Smart Farm Rental System using Internet of Things Technology</b> <i>Sawitree Phewngam, Nawaporn Wisitpongphan</i>
11:20 – 11:40 NCCIT2018-190	<b>International Network Latency Monitoring System</b> <i>Panasan Trihera, Nawaporn Wisitpongphan</i>
11:40 – 12:00 NCCIT2018-10	<b>Flammable Gases Detection Application with Internet of Things</b> <i>Siriporn Petchamnan, Jirawat Thaenthong, Kritamat Kunritkeav, Narapat Pichairat</i>
12:00 – 13:00	<i>Lunch</i>
13:00 – 13:20 NCCIT2018-184	<b>Traffic Classification and Identification for LINE and Facebook Messenger Application</b> <i>Nutcha Prommate, Pongpisit Wuttidittachotti, Therdpong Daengsi</i>
13:20 – 13:40 NCCIT2018-93	<b>Quality of Service of Streaming Service based on Priority Management over SDN</b> <i>Piyapong Kenluem, Chaiyaporn Khemapatapan</i>
13:40 – 14:00 NCCIT2018-59	<b>Network Monitoring with IoT</b> <i>Wipoo Suvunnasan, Panya Thongkumdee, Anirach Mingkhwan</i>
14:00 – 14:20 NCCIT2018-49	<b>IoT-based Elderly Health Tracking System</b> <i>Anucha Khamprapai, Somsri Jarupadung, Wararat Jakawat, Sirirut Vanichayobon</i>
14:20 – 14:40 NCCIT2018-61	<b>Auto Setting Environment System in Home by Fuzzy Logic</b> <i>Pohnpimon Promtha, Adisak Phatiworakul, Saiyan Saiyod</i>
15:00 – 15:20	<i>Coffee Break</i>

Friday 6<sup>th</sup> July 2018

**Room IV: INFORMATION TECHNOLOGY AND SYSTEM ENGINEERING**

09:00 – 09:20 NCCIT2018-172	<b>Academic Recording Technique using Blockchain Technology Case study: King Mongkut's University of Technology North Bangkok</b> <i>Sarawut Pomkam, Pongpisit Wuttidittachotti</i>
09:20 – 09:40 NCCIT2018-205	<b>A Development of Collecting and Analyzing Product Ordering Data from Facebook</b> <i>Jarugul Kaewloi, Sunantha Sodsee</i>
09:40 – 10:00 NCCIT2018-137	<b>Decision Support Systems for Selecting Models for Software Development Project</b> <i>Boonyarith Thongyou, Nattavee Utakrit</i>
10:00 – 10:20	<i>Coffee Break</i>
10:20 – 10:40 NCCIT2018-163	<b>A Study on Framework and Incident Prevention &amp; Emergency Handler's Handbook Preparation for SMEs</b> <i>Sett Nakglom, Nattavee Utakrit</i>
10:40 – 11:00 NCCIT2018-25	<b>Notification, Validation, and Identification Systems of Lost Dog</b> <i>Chidchai Sarawong, Supitchaya Somabut, Phet Imtongkhum, Charinya Pimson, Chakchai So-In</i>
11:00 – 11:20 NCCIT2018-243	<b>An Accident Model Analysis For Cyclists with Applications</b> <i>Pingkarn Chaimanit, Sittichai Phongarm, Wisan Tangwongcharoen</i>
11:20 – 11:40 NCCIT2018-216	<b>Used Items Management System for University Community</b> <i>Saral Kaedoung, Supannada Chotipant</i>
11:40 – 12:00 NCCIT2018-28	<b>Effectiveness of Similarity Matrices for Detecting Students' Assignment Plagiarism</b> <i>Teerapong Kulrattanavijitra, Nutthanon Leelathakul, Sunisa Rimcharoen</i>
12:00 – 13:00	<i>Lunch</i>
13:00 – 13:20 NCCIT2018-168	<b>Decision Support System for Hire Purchase Motorcycle</b> <i>Tarintip Wannakrang, Sakchai Tangwannawit</i>
13:20 – 13:40 NCCIT2018-26	<b>An Application for IT Helpdesk Service with Ontology Technology</b> <i>Thammawart Assawarat, Waranya Poonawat, Choochart Haruechaiyasak</i>
13:40 – 14:00 NCCIT2018-138	<b>Implementation of Agile to Project Management Tracking</b> <i>Sunhapuk Nilsai, Nattavee Uttakrit</i>
14:00 – 14:20 NCCIT2018-46	<b>The Development of Web Application and Decision Support System for Management of Nopparat Ruamyang Maintenance Service</b> <i>Pimpaka Omakew, Jatuporn Silapornchai</i>
14:20 – 14:40 NCCIT2018-251	<b>Information System of Income and Budget Management for Department of Local Administration : Case Study of Amphur Muang Phetchaburi Province</b> <i>Veerachai Khonchoho, Pannee Khonchoho, Pramote Tongchin</i>
14:40 – 15:00 NCCIT2018-71	<b>A Personalized Television Show Recommender System</b> <i>Chatpet Songbanpot, Yodsakrit Surawit, Jantima Polpinij</i>
15:00 – 15:20	<i>Coffee Break</i>

**Friday 6<sup>th</sup> July 2018**

**Room V: HUMAN-COMPUTER INTERFACE AND IMAGE PROCESSING**

09:00 – 09:20 NCCIT2018-210	<b>Object Detection System for the Visually Impaired Person</b> <i>Pilawan Kongtongnok, Nawaporn Wisitpongphan</i>
09:20 – 09:40 NCCIT2018-156	<b>Application of Direct Compute in Image Processing</b> <i>Piyawat Boukom, Kitpat Kittwattanukul, Watjanapong Kasemsiri</i>
09:40 – 10:00 NCCIT2018-53	<b>Performance Evaluation of Mouse and Trackpad using Fitts' Law</b> <i>Chitanut Tacheepan, Kanat Poolsawasd</i>
10:00 – 10:20	<i>Coffee Break</i>
10:20 – 10:40 NCCIT2018-32	<b>Event Triggering Using Facial Landmark Detection in Augmented Reality</b> <i>Banyapon Poolsawas, Aekachai Kietchalernporn, Siripa Jantabon, Rittawan NimSook</i>

**Room V: INFORMATION TECHNOLOGY AND SYSTEM ENGINEERING**

10:40 – 11:00 NCCIT2018-33	<b>Important Features for Developing a Mindfulness Application</b> <i>Thidarat Wongprajan, Wichian Chutimaskul, Pornchai Mongkolnam</i>
11:00 – 11:20 NCCIT2018-153	<b>Model for Analyzing Competency that Influences the Success of a Technician Using Data Mining</b> <i>Nisarat Dantrakun, Tanapon Jentsuttiwetchakul</i>
11:20 – 11:40 NCCIT2018-201	<b>Business Intelligence Development to Support Planning Problem Solving Information System in Organization</b> <i>Chonracha Simak, Tanapon Jentsuttiwetchakul</i>
11:40 – 12:00 NCCIT2018-70	<b>Transformation of C# Program into Promela</b> <i>Trirong Youngyeun, Wiwat Vatanawood</i>
12:00 – 13:00	<i>Lunch</i>
13:00 – 13:20 NCCIT2018-132	<b>The Development of Ontologies for Document Storage and Retrieval System: A Case Study of Nipro (Thailand) Corporation Limited</b> <i>Monchalat Eakjeen, Nattavee Utakrit</i>
13:20 – 13:40 NCCIT2018-195	<b>The Effect of Team Formation Based on Technical Skills on Programming Skill Development</b> <i>Apisit Saengsai, Olarn Rojanapornpun</i>
13:40 – 14:00 NCCIT2018-157	<b>Development of Supporting System for Analyzing the Information Technology Problems by using the Integrated Techniques</b> <i>Kaikawin Koedsombut, Montean Rattanasiriwongwut</i>
14:00 – 14:20 NCCIT2018-141	<b>The Development of Linkage System for Purchasing Order on SAP by Comparing Software Testing Paths</b> <i>Preeyaporn Sukngam, Sakchai Tangwannawit</i>
14:20 – 14:40 NCCIT2018-60	<b>Collaborative Learning Mobile Application for Algorithms</b> <i>Jittipoom Pookongchai, Chinnawatr Thummawongsa, Wachirawut Thamviset</i>
15:00 – 15:20	<i>Coffee Break</i>