Wednesday May 9, 2012	
8:00-9:00	Registration
9:00-9:30	Opening Ceremony by **Prof.Dr. Teravuti Boonyasopon**, *President of King Mongkut's University of Technology North Bangkok*
9:30-10:30	Invited Keynote Speech by **Prof.Dr. Martin Hagan**, *Oklahoma State University, USA*
	Topic: Dynamic Neural Network: What are they, and How can we use them?
10:30-11:00	*Coffee Break*
11:00-12:00	Invited Keynote Speech by **Prof.Dr.rer.nat. Ulrike Lechner**, *Universität der Bundeswehr München, Germany*
	Topic: Innovation Management and The IT-Industry-Enabler of innovations or truly innovative?
12:00-13:00	*Lunch*
13:00-18:10	Parallel Session Presentation
18:10-22:00	***Welcome Dinner***

Room 1		
Session: Human Computer Interaction, Data Mining, and Knowledge Management		
Time/Paper-ID	**Title/Author**	
13:00-13:20 NCCIT2012-150	**Information Retrieval Systems in Organizations Using Vector Space Model Case study: Suansunandha Rajabhat University** *Anothai Arunruang*	
13:20-13:40 NCCIT2012-171	**Netural Language Translation to Conceptual Graphs : A Case Study Student Services Faculty of Information Technology** *Dechrit Phukpha and Somchai Prakancharoen*	
13:40-14:00 NCCIT2012-98	**A Development of Thai Poetry Scanning System** *Darunee Duangjinda and Nattavee Utakrit*	
14:00-14:20 NCCIT2012-58	**Effect of Feedback Formats and Feedback Display Rates on Completion Rate of Online Questionnaire Return** *Kanokwan Netikalorn and Chatpong Tangman*	
14:20-14:40 NCCIT2012-48	**Retrieving Oncology Documents Relevant to Cholangiocarcinoma from PubMed** *Pitak Grai-Pet, Nidtaya Wongsa, and Jantima Polpinij*	
14:40-15:00	*Coffee Break*	

Room 1(cont.)		
Session: Human Computer Interaction, Data Mining, and Knowledge Management		
Time/Paper-ID	**Title/Author**	
15:00-15:20 NCCIT2012-13	**Extracting Keyword From Electronics Word of Mouth in Webboard** *E.Phumiphan, S. Sinthupinyo, and D. Keawsujarit*	
15:20-15:40 NCCIT2012-111	**Travel Web Search Engine by Vector Space Model** *Natthapon Dhamsri and Jeerasak Nampradit*	
15:40-16:00 NCCIT2012-99	**A development of a Passenger Van Route Query Model by Using Query Expansion Technique Base on Boolean Model : Case Study of Bangkok – East And Central** *Warakorn Upamai and Nattavee Utakrit*	
16:00-16:20 NCCIT2012-62	**Risk Analysis System of Metabolic Syndrome and Food Recommendation for Patients** *Kornwika Poono, Rawee Chaweewong, and Wongkot Sriurai*	
16:20-16:30	***Break***	
16:30-16:50 NCCIT2012-63	**Online Information Literacy Tutorial and Testing System** *Tittaya Jansuk and Ladda Preechaveerakul*	
16:50-17:10 NCCIT2012-52	**The Market Basket Analysis System Using Association Rules Case Study Cosmetic** *Siripan Thepmak and Sakchai Tangwannawit*	
17:10-17:30 NCCIT2012-137	**Knowledge Management System for condominium and law** *A. Veenin and M. Rattanasiriwongwut*	
17:30-17:50 NCCIT2012-51	**The Development of Knowledge-Based System for Cat Diseases Using PDCA and SECI Model** *Kajohnpat Luadthong and Sakchai Tangwannawit*	
17:50-18:10 NCCIT2012-74	**Job Training Management System a Case Study: Department of Computer Science** *Paweena Mudadum, Areena Bensa-Ed, and Chouvanee Srivisal*	
18:10-22:00	***Welcome Dinner***	

Room 2		
Session: Decision Support System and Ontology		
Time/Paper-ID	**Title/Author**	
13:00-13:20 NCCIT2012-101	**A Development of Analysis for Gasoline Engines and Engine Test Equipment Model** *Kledkaew Suttibut and Nattavee Utakrit*	
13:20-13:40 NCCIT2012-141	**Development of management for remedy problem's nutrition by using Analytic Hierarchy Process with OLAP.** *W. Ploysuayngam and M. Rattanasiriwongwut*	
13:40-14:00 NCCIT2012-100	**Development of a system to compute the fastest route using Heuristic Greedy Techniques in a limited time** *Pipatpong. Tana and Nattavee Utakrit*	
14:00-14:20 NCCIT2012-109	**A Recommender Model for Credit Product using Collaborative Filtering : A Case Study Government Savings Bank** *Piyanan Tanmuangjai and Nattavee Utakrit*	
14:20-14:40 NCCIT2012-136	**Decision Support System Using Rules-Based for Personal Recruitment** *Supranee Khamhangpol and Kanchana Viriyapant*	
14:40-15:00	*Coffee Break*	
15:00-15:20 NCCIT2012-143	**An Association Rules with Mode Based Collaborative Filtering in Recommender System** *Peerasuk Saetan and Nualsawat Hiransakolwong*	
15:20-15:40 NCCIT2012-200	**A Decision Support System to Aid University Education Case study Chumphon Vocation Education** *Arunee Bou-in and Somchai Prakancharoen*	
15:40-16:00 NCCIT2012-144	**Cosmetic Recommender System using Collaborative Filtering and K-Means** *Warangkana Kilnsukon, Kiattisak Yochanang, and Kanchana Viriyapant*	
16:00-16:20 NCCIT2012-148	**Health Check-up Program Recommender System A Case Study of Private Hospitals in Bangkok** *Prapawadee Srison and Kiattisak Yochanang*	
16:20-16:30	*Break*	

Room 2(cont.)		
Session: Decision Support System and Ontology		
Time/Paper-ID	**Title/Author**	
16:30-16:50 NCCIT2012-53	**Application of Case-Based Reasoning and Fuzzy Logic for Student Loan Management** *D. Jeamumporn and S. Nitsuwat*	
16:50-17:10 NCCIT2012-94	**Knowledge management systems, Electron Devices are Basic by the Ontology use of Technology.** *Patcharaporn Jenkawkhom and Kiattisak Yochanang*	
17:10-17:30 NCCIT2012-120	**Design of Algorithms for Information Visualization from Semantic Search of Related Computer Science Research Ontology** *Thanyaporn Boonyoung and Anirach Mingkhwan*	
17:30-17:50 NCCIT2012-157	**A Performance Comparison of Asynchronous and Synchronous Mode Communications Website Affecting Load Reduction and Bandwidth Saving on Server** *Pinnakarn Kaewsawangsub and Cholatip Yawut*	
17:50-18:10 NCCIT2012-159	**Appointment Scheduling Management System using PERT/CPM Technique** *Praetip Khotsaenlee and Kiattisak Yochanang*	
18:10-22:00	*Welcome Dinner*	

Room 3		
Session: Artificial Neural Network, Evolutionary Computation, and Computer Science		
Time/Paper-ID	**Title/Author**	
13:00-13:20 NCCIT2012-29	**Recommending Objects in Online Social Network Using an Ant Colony System** *N. Srisuthep and S. Sinthupinyo*	
13:20-13:40 NCCIT2012-140	**Evolutionary Extreme Learning Machine Based on Optimized step-size random search Firefly Algorithm** *Pakarat Musigawan, Sirapat Chiewchanwattana, and Khamron Sunat*	
13:40-14:00 NCCIT2012-43	**Integration of Hidden Nodes to Learn Large Scale Data** *Kritsanatt Boonkiatpong and Sukree Sinthupinyo*	
14:00-14:20 NCCIT2012-113	**Applying Building Block Method to Predict Building Evacuation Time** *Jaksuthep Teekul and Sukree Sinthupinyo*	

Room 3(cont.)		
Session: Artificial Neural Network, Evolutionary Computation, and Computer Science		
Time/Paper-ID	**Title/Author**	
14:20-14:40 NCCIT2012-179	**Trend Analysis of the Product Fixed, High-Speed Internet, and IP Network Using Neural Networks** *Thiraporn Sangthumanat and Phayung Meesad*	
14:40-15:00	*Coffee Break*	
15:00-15:20 NCCIT2012-24	**Prediction of Palm-Oil Time Series Using Polynomial Artificial Neural Network and Genetic Algorithm** *Keattisak Chankaew and Suput Nitsuwat*	
15:20-15:40 NCCIT2012-54	**A Predictive Model for Operation Charge Using Artificial Neural Networks** *Napalada Rodyam and Sakchai Tangwannawit*	
15:40-16:00 NCCIT2012-55	**A Survey of Proximity Positioning Schemes for Indoor Location-based Services** *Supawadee Mak-on and Suntorn Witosurapot*	
16:00-16:20 NCCIT2012-88	**Trade Value Analytical and Forecast System Using Neural Network Techniques** *Phuncharat Sawangprasert and Jeerasak Numpradit*	
16:20-16:30	*Break*	
16:30-16:50 NCCIT2012-149	**Accuracy Improvement of Extreme Learning Machine using Differential Evolution Search Algorithm** *Rattapong Pokaen, Sirapat Chiewchanwattana, and Kamron Sunut*	
16:50-17:10 NCCIT2012-68	**Applied the Back Propagation Algorithm to Study an Effect of Family Income: A Case Study of Rong Kham District in Karasin** *Preeda Vaiyarabutr, Panida Songram, and Natthariya Laopracha*	
17:10-17:30 NCCIT2012-124	**An Application of Chinese Remainder Theorem and Tree on NTRU Based group encryption** *Wawwan Chanchuklin and Pipat Hiranvanichakorn*	
17:30-17:50 NCCIT2012-125	**The Sketching-based 2D Drawing Tool for Sign Language Animation** *Natsinee Tangsiripaiboon and Narathip Tiangtae*	
17:50-18:10 NCCIT2012-133	**Electromagnetic Wave Propagation Simulation Based on the CIP Method Using GPU** *Pakornpop Boonyuen and Narathip Tiangtae*	
18:10-22:00	*Welcome Dinner*	

Room 4		
Session: Data Network and Security		
Time/Paper-ID	**Title/Author**	**Page**
13:00-13:20 NCCIT2012-6	**Performance of Data Mining Processing on Private Cloud Computing Case Study of Complicated Diabetes Diagnosis at Siriraj Hospital** *Maneerat Paranan, Cholatip Yawut, and Sirapat Boonkrong*	
13:20-13:40 NCCIT2012-72	**Authentication by One-Time Password using the solution of Random Numeric and Simple Calculation** *N. Usavapipatkul and K. Yochanang*	
13:40-14:00 NCCIT2012-46	**An Improvement of the S/key One Time Password (OTP) using a BASE64 Data Encodement** *Pratchya Chaimuange, Suchart Khummanee, and Somnuk Puangpronpitag*	
14:00-14:20 NCCIT2012-115	**A Techniques to solve the disguise of an IPv6 network default gateway** *Itarun Pitimon and Sirapat Boonkrong*	
14:20-14:40 NCCIT2012-56	**Fault Tolerant in Intrusion Detection Prevention System (IDPS) Architecture using Multi-Agent System (MAS)** *Wichet Plaimart and Somchai Prakancharoen*	
14:40-15:00	*Coffee Break*	
15:00-15:20 NCCIT2012-161	**Botnet Classification Using Parallel K-means Algorithm** *S. Pinjan and T. Thaiupathump*	
15:20-15:40 NCCIT2012-77	**Using Ant Colony Algorithm for Weight Setting in OSPF Network** *Ekawut Chairat and Kairat Jaroenrat*	
15:40-16:00 NCCIT2012-182	**A Performance Comparison of Wireless Communication Over Standard 802.11n and WPA2** *Kittitep Kowitow and Sirapat Boonkrong*	
16:00-16:20 NCCIT2012-41	**Performance Evaluation of 3D Video over IPTV System** *Attaporn Kongtavorn and Chaiyaporn Khemapatapan*	
16:20-16:30	*Break*	
16:30-16:50 NCCIT2012-34	**Video Cryptography System** *Rattiya Phaisuwat, Sirapat Boonkrong, and Thippaya Chintakovid*	
16:50-17:10 NCCIT2012-166	**The Comparison Of Table-Driven And On-Demand Mobile Ad-Hoc Routing Protocol** *Supap Maipongpattana and Sirapat Boonkrong*	

Room 4(cont.)		
Session: Data Network and Security		
Time/Paper-ID	**Title/Author**	
17:10-17:30 NCCIT2012-163	**Measuring the efficiency of data transfer by Powerline A Case Study of the Linear Accelerator Room at Rajavithi Hospital** *Kringkrai Pongmontree and Cholatip Yawut*	
17:30-17:50 NCCIT2012-97	**Steganography in Video by Least Significant Bit** *Supaluck Erbim and Kiattisak Yochanang*	
17:50-18:10 NCCIT2012-37	**Application of Zero-Knowledge Protocol for Authentication Mechanism in WiMAX Network** *Akkradach Watcharapupong and Sakchai Thipchaksurat*	
18:10-22:00	*Welcome Dinner*	

Room 5		
Session: Information Technology and Computer Education		
Time/Paper-ID	**Title/Author**	
13:00-13:20 NCCIT2012-81	**Development of Computerized Adaptive Testing to Aid e-learning Course 4000107 : Information Technology for life** *Direk Homchan and Kiattisak Yochanang*	
13:20-13:40 NCCIT2012-83	**The Development of Web-Based Instruction of the RMU-eDL Project on the Subject Basic Computer for Matthayomsuksa I** *W. Chantakham and P.Arreerard*	
13:40-14:00 NCCIT2012-93	**The Development of Web-Based Learning Model by Using Problem-Based Learning Situations on the Topic of "Image Production for Multimedia"** *N. Intirak, P. Arreerard, and W. Arreerard*	
14:00-14:20 NCCIT2012-181	**An Analysis of Learning Style on Bachelor Student of KMUTNB on VARK Learning Style using C4.5 Algorithm on Decision Tree Analysis** *Rungkan Suklim and Monchai Tiantong*	
14:20-14:40 NCCIT2012-59	**Geographic Information Retrieval System on Android (GeoIR): A Case Study of Prince of Songkla University, HatYai Campus** *Niwat Nunchuphon, Ladda Preechaveerakul, and Supattanasak Lerspattanathai*	
14:40-15:00	*Coffee Break*	

Room 5(cont.)		
Session: Information Technology and Computer Education		
Time/Paper-ID	Title/Author	
15:00-15:20 NCCIT2012-15	**Designing and Efficiency Validationof the Self - Learning Instructional Multimedia on BenchworkTechniques ,Module : Basic Filing** *Kanlaya Ubontip*	
15:20-15:40 NCCIT2012-66	**The Development of Virtual Electronic Instruments using Computer Program** *Nattapon Jaisumroum and Somsak Akatimagool*	
15:40-16:00 NCCIT2012-102	**The study of effects on using e-Learning support courseware on introduction to educational media course of bachelor degree students, Silpakorn University.** *Anirut Satiman*	
16:00-16:20 NCCIT2012-60	**A conceptual Framework of Application of Ontology for Remedial Teaching by Adaptive Learning Content Management System** *Akkrawuthi Paramapuneya and Supot Nitsuwat*	
16:20-16:30	***Break***	
16:30-16:50 NCCIT2012-164	**Structural Equation Modeling to Predict the Satisfaction of the Employer at the Master's degree student Faculty of Information Technology KMUTNB** *S. Prakancharoen and P. Palee*	
16:50-17:10 NCCIT2012-195	**Use of Ant ColonyInRout Advice System For Goods Shipping** *Chakorn Jumnongsri and Pudsadee Boonrawd*	
17:10-17:30 NCCIT2012-25	**A Development of Self Assessment Report Database Integrated with Personal Electronic-Document : A Case study of Nation University in Lampang Province** *Burin Rujjanapan*	
17:30-17:50 NCCIT2012-49	**Designing and Efficiency Validation of the Self-Learning Instructional Multimedia on Benchwork Techniques, Module : Basic Hand Tools** *Narunart Lumpongnua*	
17:50-18:10 NCCIT2012-47	**Data integration services for LMS Moodle 2 and Registration system using Windows Workflow Foundation** *Peerasak Pianprasit and Surangkana Tharmlikit*	
18:10-22:00	***Welcome Dinner***	

Thursday May 10, 2012	
8:00-9:00	Registration
9:00-10:00	Invited Keynote Speech by **Dr. Hsin-Mu Tsai**, *National Taiwan University, Taiwan*
	Topic: Extend the Safety Shield - Building the Next Generation Vehicle Safety System
10:00-10:20	*Coffee Break*
10:20-12:00	Parallel Session Presentation
12:00-13:00	*Lunch*
13:00-18:00	Parallel Session Presentation

Room 1		
Session: Data Mining, and Knowledge Management		
Time/Paper-ID	**Title/Author**	
10:20-10:40 NCCIT2012-71	**Diagnosis System for Chili Disease by using Data Classification Technique** *Chiunnapa Buntapet and Wongkot Sriurai*	
10:40-11:00 NCCIT2012-12	**Identification of Para Rubber Variety using k-Nearest Neighbor Technique** *Sirion Koonset, Rungtiwa Ongkhakat, and Phanarut Srichetta*	
11:00-11:20 NCCIT2012-17	**Analysis System of Fuel Consumption of car from the trip by Google Map API.** *Supaporn Ruangjaem*	
11:20-11:40 NCCIT2012-36	**Design Element Patterns Discovery Using Association Rules Mining** *Teerayut Sinlan, Jittra Pitaktiratham, and Sukree Sinth*	
11:40-12:00 NCCIT2012-107	**A Demand Consumer product Forecasting Model Using Classification and Association Rule Technique Case Study The retail shop** *Amamorn Pinpankong and Nattavee Utakrit*	
12:00-13:00	*Lunch*	
13:00-13:20 NCCIT2012-167	**Applying Collaborative Filtering to Recommend Books for E-Library** *Woranuch Sriphalang and Wongkot Sriurai*	
13:20-13:40 NCCIT2012-170	**Comparison of Data Classification Efficiency among Different Data Mining Techniques (K-nearest Neighbor, Rule Base, and Decision Tree)** *Nongluk Promthong, Surapun Penchamrush, and Sakchai Tangprasert*	

Room 1(cont.)		
Session: Data Mining, and Knowledge Management		
Time/Paper-ID	**Title/Author**	
13:40-14:00 NCCIT2012-172	**Determining Optimal Values for Data Classification with Multi-Layer Perceptron Neural Network, Support Vector Machines and Radial Basis Function** *Songpon Nakharacruangsak, Watcharin Warinthaksa and, Kittisak Chotikitipat*	
14:00-14:20 NCCIT2012-176	**Comparative Study of Classification Properties Between Decision Tree, Rule-base and K-Nearest Neighbor** *W. Wirojcharoenwong and B. Eamthanakul*	
14:20-14:40 NCCIT2012-177	**The Comparison of Efficiency of Data Mining Techniques for Missing Value Imputation** *Nutthapat Keawrattanapat, Preedawon Kadmateekarun, and Chanin Manochayakorn*	
14:40-15:00	*Coffee Break*	
15:00-15:20 NCCIT2012-169	**Effect of data dimension reduction Analysis and Data Classification Performance of Decision Tree, Support Vector Machine and Naïve Bayes** *Wipawan Buathong, Kittipong Suwannara, and Veerawan Janthanasub*	
15:20-15:40 NCCIT2012-205	**Gray Market's Customer Relationship Management System:A Case Study of Teddy Auto Sales Co.,Ltd.** *Kamonwan Boontawee and Phayung Meesad*	
15:40-16:00 NCCIT2012-216	**Gold Forecasting System using Machine Learning Techniques** *Pudsadee Kridakorn Na Ayuthaya and Kanchana Viriyapant*	
16:00-16:20 NCCIT2012-40	**A Heuristic Approach to Improve The Decision Tree of Product Acceptance in Hard Drive Manufacturing** *Anotai Siltepavet, Sukree Sinthupinyo, and Prabhas Chongstitvattana*	
16:20-16:30	*Break*	
16:30-16:50 NCCIT2012-82	**Applying Classify Techniques for Predicting Learning Achievement** *Tiphathai Thongthammachart, Nipaporn Chanamarn, and Punnee Sittidech*	

Room 1(cont.)		
Session: Data Mining, and Knowledge Management		
Time/Paper-ID	**Title/Author**	
16:50-17:10 NCCIT2012-160	**"#tutorial" #Tutorial Topic Categorization from Twitter** *T. Phiboolnuntapong and M. Rattanasiriwongwut*	
17:10-17:30 NCCIT2012-183	**A Knowledge Management System to Aid the Solution of Computer Problems A Case Study: Rajamangala University of Technology Suvarnabhumi** *Suphanun Tupsupand and Phayung Meesad*	
17:30-17:50 NCCIT2012-138	**Decision Support System for Insurance Plan Selection** *Amata Samanso and M. Rattanasiriwongwut*	

Room 2		
Session : Decision Support System and Ontology		
Time/Paper-ID	**Title/Author**	
10:20-10:40 NCCIT2012-178	**Website for Generating QR Code to Specify Coordinates by Using Coordinates Imported from Google Map API** *Anirut Ruangrat and Chainarong Yensiri*	
10:40-11:00 NCCIT2012-123	**Inpatient Health Planning System using Concept of Food Ontology** *Sakesan Sivilai and Chakkrit Snae Namahoot*	
11:00-11:20 NCCIT2012-89	**Geographic Information System for Factory Information Retrieval Using Google Map** *Visanu Imarom and Supot Nitsuwat*	
11:20-11:40 NCCIT2012-106	**Semantic Searching from Table of Contents by Similarity Measure** *Pinyo Ardsalee, Sirapat Chiewchanwattana, and Khamron Sunat*	
11:40-12:00 NCCIT2012-122	**IT Careers Analysis Algorithm Design using Ontology** *Patsakorn Singto and Anirach Mingkhwan*	
12:00-13:00	*Lunch*	
13:00-13:20 NCCIT2012-155	**Search System Siamese fighting fish with Ontology** *S.Thammabut and M.Sodanil*	
13:20-13:40 NCCIT2012-199	**The access control to personnel information system using ACL.The access control to personnel information system using ACL.** *Somsak Khammamoon and Somchai Prakancharoen*	

Room 2(cont.)		
Session : Decision Support System and Ontology		
Time/Paper-ID	Title/Author	
13:20-13:40 NCCIT2012-202	**Classroom attendance checking online system by using AES encryption Case Study : Lopburi Technical College** *Kanchana Khandam and Somchai Prakancharoen*	
13:40-14:00 NCCIT2012-114	**Integration of Student Metadata of Physical Education North Eastern Campus Using Web Service Technology** *Eckwijai Maythaisong and Wararat Rungworawut*	
14:00-14:20 NCCIT2012-193	**An Online Item Banking System Using Item Analysis** *Damrong Supol and Pudsadee Boonrawd*	
14:20-14:40 NCCIT2012-50	**Web-based Eucalyptus Cloud Platform Management** *Choopan Rattanapoka*	
14:40-15:00	*Coffee Break*	
15:00-15:20 NCCIT2012-85	**Knowledge-based System for Buddhist Ceremony and Borrowing-Returning Temple's Stuff via Internet Network.** *Klon Thongviset and Supot Nitsuwat*	
15:20-15:40 NCCIT2012-131	**Irrigation Structure Geographic Information System using Google Maps** *Ketvayut Rukkul and Sirirut Vanichayobon*	
15:40-16:00 NCCIT2012-91	**Knowledge Management System for the Basic Machine Tools Using Ontology Technology** *A-Tikit Sriprasert and Supot Nitsuwat*	
16:00-16:20 NCCIT2012-139	**Ontology – Based Dendrobium Orchid Retrieval** *C.Sukorn and M. Rattanasiriwongwut*	
16:20-16:30	*Break*	
16:30-16:50 NCCIT2012-213	**A Recommendation System to aid branches of Vocational Education using a Hybrid Content-Base and Collaborative Filtering A Case Study of Rayongpoly Technical college.** *Salisa Noosamien and Somchai Prakancharoen*	
16:50-17:10 NCCIT2012-215	**A Decision Supporting System for Advisors via the Internet** *Bagumyan Phadungrach and Phayung Meesad*	
17:10-17:30 NCCIT2012-210	**A Supports System For Logfile Analysis** *Daophrasuk Rittibandit and Phayung Meesad*	

Room 3		
Session : Computer and Software Engineering, Computer Science and Other Topics Related in IT		
Time/Paper-ID	**Title/Author**	
10:20-10:40 NCCIT2012-64	**Software Development of Robot Arm Control for Disabled Person** *Ponpot Juntaratut and Siam Charoenseang*	
10:40-11:00 NCCIT2012-70	**A Survey on Software Estimation** *Chompoonuch Phoaprapat and Assadaporn Sapsomboon*	
11:00-11:20 NCCIT2012-21	**Binary Digit Set Conversion from Minimally Redundant Number System into Minimum Weight Number Representation using On-the-fly Technique** *Nitichai Anantasetkul*	
11:20-11:40 NCCIT2012-75	**Impact of Design Pattern Adapter on Probability of Change Proneness** *Patcharaporn Pattanasiripong and Assadaporn Sapsomboon*	
11:40-12:00 NCCIT2012-33	**Security and Efficiency in SMS Messaging** *Phookit Bureepakdee and Pramote Kucharoen*	
12:00-13:00	*Lunch*	
13:00-13:20 NCCIT2012-119	**Database Changing Simulation By OR-Mapping Technique Study : Computer Store Online Shopping** *Usa Phetprayun and Jeerasak Numpradit*	
13:20-13:40 NCCIT2012-128	**An Architecture for Evaluating and Reporting System of Personnel Performance by Applying BI Software** *A. Thongphet, T. Suwanasat, and A.Thongtak*	
13:40-14:00 NCCIT2012-173	**The comparison of sound file's characteristics when the steganography of different types of sound files were tested** *Suttiwan Nakkwan and Sirapat Boonkrong*	
14:00-14:20 NCCIT2012-23	**The Effective of test ILIAS E-Learning and facebook** *Pitchayakorn Lake*	
14:20-14:40 NCCIT2012-2	**The Development of Knowledge-Based System for the Mental Health field (Stress) Using PDCA and SECI Model** *Punnatat Krittiananpat and Sakchai Tangwannawit*	

Room 3(cont.)		
Session : Computer and Software Engineering, Computer Science and Other Topics Related in IT		
Time/Paper-ID	**Title/Author**	
14:40-15:00	*Coffee Break*	
15:00-15:20 NCCIT2012-185	**Detecting Plagiarism Using Document Similarity Method** *Sutin Ahingsaro and Pudsadee Boonrawd*	
15:20-15:40 NCCIT2012-152	**Decision Support System for Accepting Furniture Production by Checking and Condition-based Filtering based on Decision Tree** *Songrit Yingnaikiad, Sunisa Theetanapat, Suchitra Adulkasem, Jitdumrong Preechasuk, and Orawan Chaowalit*	
15:40-16:00 NCCIT2012-153	**Notification System for LMS via Android** *K. Wannarat and W. Suntiamorntut*	
16:00-16:20 NCCIT2012-80	**Information system for risk analysis in paying car claim** *Jeranan Sashu and Jeerasak Numpradit*	
16:20-16:30	*Break*	
16:30-16:50 NCCIT2012-31	**Integration of DTrace Toolkit Suite for Self Learning and Training of System Administrators** *Woravut Pairoh and Yunyong Teng-amnuay*	
16:50-17:10 NCCIT2012-165	**Analysis and efficiency validation of video file on 3G and Wi-Fi hotspot technology : A case study of video on-demand streaming** *Grid Phonprisan and Sirapat Boonkrong*	
17:10-17:30 NCCIT2012-211	**Development of a Self Evaluation Application web Architecture using Model View Controller** *Mongkol Chumthong and Somchai Prakancharoen*	
17:30-17:50 NCCIT2012-214	**Information Technology System for Planning and Budget Case Study : Vocational College Eamlaor** *Kornchanok Thapyotha and Phayung Meesad*	
17:50-18:10 NCCIT2012-190	**An Analysis of Learning Activity Based On Multiple Intelligence of the First Year Students at Phetchaburi Rajabhat University** *Pramote Tongchin and Monchai Tiantong*	

Room 4		
Session : Image and Pattern Recognition		
Time/Paper-ID	**Title/Author**	
10:20-10:40 NCCIT2012-76	**Evaluation of Automated Chromosome Images Classification** *Tanatcha Chaikhumpha, Panjaphol Ket, Pichet Vayalun, and Phatthanaphong Wanchanthuek*	
10:40-11:00 NCCIT2012-135	**Vehicle Detection System from CCTV captured image Using 2DPCA and Fuzzy ART network** *Chompoo Suppatoomsin and Arthit Srikaew*	
11:00-11:20 NCCIT2012-38	**Unmanned Ground Vehicle: Traffic Signs Analysisusing Image Processing and Artificial Neural Network** *Narongdech Keeratipranon and Nuengwong Tuaycharoen*	
11:20-11:40 NCCIT2012-57	**Applies Augmented Reality Techniques to use to teach Thai alphabet lessons** *Supanpong Vongsripeng and Nattavee Utakrit*	
11:40-12:00 NCCIT2012-16	**Automatic Chromosome Segmentation from Background Images** *Pichet Wayalun, Natthariya Laopracha, Jantuma Polpinij, and Phatthanaphong Wanchanthuek*	
12:00-13:00	*Lunch*	
13:00-13:20 NCCIT2012-158	**Automatic Structured Document Image to Text File Conversion** *Panu Seansaman and Rachada Kongkachandra*	
13:20-13:40 NCCIT2012-103	**Caladium Strain Classification using Artificial Neural Network** *Sawita Boonkong and Supot Nitsuwat*	
13:40-14:00 NCCIT2012-154	**Across Pose Face Recognition using Hybrid Image Partition and Real view-based Matching** *A. Amorntananun and M. Sodanil*	
14:00-14:20 NCCIT2012-142	**Energy saving of elevators by image processing** *Tipwalee Boonsri, Phakasinee Purayab, and Natthariya Laopracha*	
14:20-14:40 NCCIT2012-19	**Using image processing in surveillance stolen Buddha statue** *Adul Plaisuan, Chainarong Yokanya, Artit Sudchat, and Natthariya Laopracha*	
14:40-15:00	*Coffee Break*	
15:00-15:20 NCCIT2012-134	**Rubber Sheets Quality Classification by using Support Vector Machine** *Suradej Boonlue, Yapanee Budwong, and Nattapong Suksawat*	

Room 4(cont.)		
Session : Image and Pattern Recognition		
Time/Paper-ID	**Title/Author**	
15:20-15:40 NCCIT2012-8	**A Framework of Developing an Assistant Tool for Blind People to Have Necessary Information** *Phuwanai Sotprawat, Patcharaporn On-Tar, and Jantima Polpinij*	
15:40-16:00 NCCIT2012-104	**Speaker Identification using Artificial Neural Network** *Pirin Sangpeth and Supot Nitsuwat*	
16:00-16:20 NCCIT2012-116	**Parking guidance system on mobile phone** *Phumin Khumbal, Artit Sudchat, and Natthariya Laopracha*	
16:20-16:30	*Break*	
16:30-16:50 NCCIT2012-112	**An Automatic Snooker Score Analysis** *Kajornsak Piyoungkorn and Saowaluk Watanapa*	
16:50-17:10 NCCIT2012-84	**Defect Detection in Textile Fabrics with Edge Detection and Artificial Neural Network** *T.Prachpreecha1and K.Kubola*	
17:10-17:30 NCCIT2012-73	**Speech Recognition and Synthesis for English Language Learning** *Piriya Wachimapet, Itti Seyangnok, and Panida Songram*	

Room 5		
Session : Information Technology		
Time/Paper-ID	**Title/Author**	
10:20-10:40 NCCIT2012-197	**An Online teacher Assessment System using Digital Root Techniques** *Kamolrak Chaowmak and Somchai Prakancharoen*	
10:40-11:00 NCCIT2012-174	**Analysis of Learning Ability of Students in Computer Program based on Multiple Intelligence of Howard Gardner Nakhon Pathom Rajabhat University** *Sumalee Siksen and Monchai Tiantong*	
11:00-11:20 NCCIT2012-192	**The Development of Learning Management System and Computer Assisted Instruction on the Subject of Media Creation Using Captivate Program** *Nittaya Saohong and Pudsadee Boonrawd*	
11:20-11:40 NCCIT2012-194	**A support system for analysis of the work plan and budjet** *Ekkarin Chaiwut and Phayung Meesad*	

Room 5(cont.)		
Session : Information Technology		
Time/Paper-ID	**Title/Author**	
11:40-12:00 NCCIT2012-196	**Security Reporting Study Results Information System Case Study : Phang-Nga Technical College** *Charoon Sinbantao and Somchai Prakancharoen*	
12:00-13:00	*Lunch*	
13:00-13:20 NCCIT2012-203	**Development of an Inventory Management System A Case study of the Information Technology Department of Trat Technical College** *Chuchart Saeteaw and Somchai Prakancharoen*	
13:20-13:40 NCCIT2012-4	**CPU Load Average Analysis for Picture Archiving and Communication System (PACS)** *Mesayon Kaewsena and Adul Toemee*	
13:40-14:00 NCCIT2012-198	**Development of a Project Management System for Quality Assurance** *Ruchira Jansuwan and Somchai Prakancharoen*	
14:00-14:20 NCCIT2012-3	**Multimedia on "Sufficiency Economy"** *Prakayrat Suwan*	
14:20-14:40 NCCIT2012-11	**The Development of Computer Assisted Instruction for English using Logical Thinking** *Amornrat Panyasuk*	
14:40-15:00	*Coffee Break*	
15:00-15:20 NCCIT2012-32	**The Development of Computer Animation for the Elements of Design** *Monruedee Mitcharoenthavorn*	
15:20-15:40 NCCIT2012-151	**A Prototype System to Withdraw Classes based on E-documents and Auto-tracking Status of Withdrawal** *Worapun Sangbunjong, Anyarat Apisataka, Suchitra Adulkasem, and Jitdumrong Preechasuk*	
15:40-16:00 NCCIT2012-206	**Developing Web-Based Instruction using the ADDIE Model on the subject of Usage in Graphic Program** *Jatuporn Tantirangsri and Pudsadee Boonrawd*	
16:00-16:20 NCCIT2012-207	**The Development of Web Based Instruction on Fundamental of Network System using Gain Student Attention** *Pongpiram Yiempuen and Pudsadee Boonrawd*	
16:20-16:30	*Break*	
16:30-16:50 NCCIT2012-208	**The Development of Computer Assisted Instruction (CAI) on the subject of Communication and Networks** *Manop Chimma and Pudsadee Boonrawd*	

Room 5(cont.)		
Session : Information Technology		
Time/Paper-ID	**Title/Author**	
16:50-17:10 NCCIT2012-209	**Development of Computer Assisted Instruction on Computer Hardware Assembly Using STAD Technique** *Rapeepun Phanchungcharoen and Pudsadee Boonrawd*	
17:10-17:30 NCCIT2012-212	**The Development and Efficiency Validation of Web-Based learning based onRobert Gagné's concepts of instructional theory for computer applications to statistics course on Moodle LMS** *Ponpen Eak-iamvudtanakul and Somchai Prakancharoen*	
17:30-17:50 NCCIT2012-9	**IT School Online Examination System** *Nitinai Phaisanpayak and Jittiyada Bhukkaman*	