

The Thirteenth International Joint Symposium on Artificial Intelligence and Natural Language Processing (iSAI-NLP 2018)
 The Thirteenth International Conference on Knowledge, Information and Creativity Support Systems (KICSS 2018)
 Pullman Pattaya Hotel G, Pattaya, Thailand
 DETAILED SCHEDULE (November 10, 2018)

iSAI-NLP/KICSS2018 (Day 0) Wednesday, November 14, 2018

	Infinity Ballroom
16:30-18:30	Registration
18:30-21:00	Welcome Reception at Beach Bar

iSAI-NLP/KICSS2018 (Day 1) Thursday, November 15, 2018

	Infinity Ballroom	Gemini 1	Gemini 2
08:00-09:00	Registration		
09:00-09:15	Opening Ceremony at Infinity Ballroom		
	Infinity Ballroom		
09:15-09:50	[KICSS 2018] Keynote Speech I: Music and AI Satoshi Tojo (09:15-09:50) (SC: Thanaruk Theeramunkong)		
09:50-10:15	Break		
	Session K01 (Session Chair: Susumu Kunifuji)	Session I01 - Track 1 (Session Chair: Rachada Kogkachandra)	Session I02 - Track 3 (Session Chair: Manul Buranarach)
10:15-10:35 [161L]	Realization of Organic and Dynamic Creativity Support Tool for Promoting Ethical AI Design Kaira Sekiguchi and Koichi Hori	Classification of Tweets Related to Illegal Activities in Thai Language Sumeth Yuenyong, Narit Hnoohom, Konlakorn Wongpatkaseree, and Teerapong Pheungbun na ayuthaya	Quality Classification of ASEAN Wikipedia Articles using Statistical Features Kanchana Saengthongpattana, Thepchai Supnithi, and Nuanwan Soonthornphaisaj
10:35-10:50 [137R]	FaGoN: Fake News Detection model using Grammatical Transformation on Neural Network	Semantic similarity measure for Thai language Papis Wongchaisuwat	Exploring Efficiency of Data Mining Techniques for Missing Link in Online Social Network Chaiarong Sirisup and Pokpong Songmuang
10:50-11:05 [165R]	Participatory Event Type MONO-ZUKURI Education Effectiveness for Future Creativity Tomomi Kaneko, Mtsuru Kato, Daisuke Iwama, and Akhiro Kido	A Supporting Tool for Learning to Improve Thinking Skill through Reading Activities Wasan Na Chai, Taneth Ruangrajitpakorn, and Thepchai Supnithi	Modeling for Robot-Driven Prototype Automation Manussawee Piyaneerarat and Mahasak Ketcham
11:05-11:20 [172R]	A Method for Supporting Medical-interview Training using Smart Devices Makurum Shikido, Yuki Kodera, Shunya Inoue, and Kunimasa Yagi	An Efficient Manifold Ranking Approach for Monolithic Graphs and Semantic Networks Prachya Boonkwan, Chanon Leenor, Thepchai Supnithi, and Akkharawoot Takhom	The Limb Leads ECG Signal Analysis in Inferior Myocardial Infarction Patients by Rule Base Anchana Muankid and Mahasak Ketcham
11:20-11:32 [171S]	Computational Thinking for Elementary School in Japan and Art Thinking Akio Shimogori, Minatsu Ariga, and Yukari Nagai		Semantic-based Relationship between Objective Interestingness Measures in Association Rules Mining Rachasak Somyanonthanakul, Monnapat Roonsamram, and Thanaruk Theeramunkong
11:32-11:44 [140S]	Developing Innovation Skills in Second Language Education-Cultivation of Creativity and Intercultural Communicative Competence Ting Liu and Takaya Yuzono		
11:44-12:04 [170L]	A Development of an Ontology-based Personalised Web from Rice Knowledge Website Taneth Ruangrajitpakorn, Charun Phrombut, and Thepchai Supnithi		
12:00-13:30	LUNCH at The Beach Club Restaurant Infinity Ballroom		
	Infinity Ballroom		
13:30-14:45	[iSAI-NLP 2018] Keynote Speech II: Learning with Arbitrary Class Drift in Streaming Data and Applications Chidchanok Lursinsap (13:30-14:20) (SC: Thepchai Supnithi)		
	[KICSS 2018] Guest Speech I: Applications of Artificial Intelligence in Petrochemical business of SCG Chemical Arkorn Drawpateep (14:20-14:45) (SC: Thepchai Supnithi)		
14:45-15:15	Break		
	Session K02 (Session Chair: Yukari Nagai)	Session I03 - Track 2 (Session Chair: Sumeth Yuenyong)	Session I04 - Track 4 (Session Chair: Pokpong Songmuang)
15:15-15:35 [146L]	Named Entity Sentiment Classifications using Peripheral Words and Dependencies in Online Discussions Tomohiro Ando and Katsuhide Fujita	Prediction of Dissolved Oxygen Concentration for Shrimp Farming Using Quadratic Regression and Artificial Neural Network Kasorn Galajit, Plistit Dillon, Suradej Duangpummet, Jakkaphob Intha, Prachumporn Dangsakul, Khongpan Ruangprateepthaworn,	MEDIDEN: Automatic Medicine Identification Using a Deep Convolutional Neural Network Narit Hnoohom, Sumeth Yuenyong, and Pitchaya Chotivatanyu
15:35-15:55 [150L]	Constrained Clustering with Seeds and Term Weighting Scheme Uraivan Bualtom, Waree Kongrawechnon, and Thanaruk Theeramunkong	SAPLDOF: Smart Fall Detection System for the Elderly Pasit Tangkongchitr, Mingkamon Buathang, Thanavit Unsuwan, and Konlakorn Wongpatkaseree	Speech Watermarking Technique Based on Singular Spectrum Analysis and Automatic Parameter Estimation using Differential Evolution for Tampering Detection Kasorn Galajit, Mongkonchai Intararukorn, Jessada Karnjana, Pakinee Aimmaree, Masashi Unoki
15:55-16:15 [132L]	Speaker Choice Method based on Multi-armed Bandit Algorithm for Online Discussions Mio Kuri and Katsuhide Fujita	Open Traffic Data Exchange and Collaborative Platform Jatuporn Chhinrueng, La-or Kovavisaruch, Lalita Narupiyakul, and Konlakorn	Blind, SVD-based Scheme for Information Hiding in Digital Images Kittkom Sangrit, Tidanat Kumpuak, Suthum Keeratvitayanun, and Jessada Karnjana
16:15-16:35 [145L]	Comment Evaluation by Combining Comment and Word Mutual Evaluation Method and LSTM Evaluation Method in Lecture Questionnaire Nobuyuki Kobayashi, Hiromitsu Shina, and	Determining Physical Location of Wireless Access Point using Smart Devices Vasin Suttachaya, Ting-Wei Liang, and Nannapat Meemongkolkiat	3D Foreground Point Segmentation from Background using Centroid-based Min-Cut Method Cho Cherry Aung and Thin Lai Lai Thein
16:35-16:47 [149S]	Handsfree interactive music game development with motion sensing technology Peersophon Kuthamyothin, Panuwat Huachai, Nopporn Chotkakatthorn, and Samart Moodleah	An Analyze Movement Path of Employees in Fire Drill by Indoor Location System Using Bluetooth Anuwat Chalwongyen, Laor Kovavisaruch, Taweesak Sanpetchuda, Krisada Chinda, Sodsal Wisadsud, Thitpong Wongsatho, and Kamol Kaemarungsri	Accuracy Improvement of a Province Name Recognition on Thai License Plate Somhearth Kraisan and Natsuda Kaothanthong
16:47-16:59 [148S]	Generating GIF from 3D Mesh and Point Cloud: An Automated Software Samart Moodleah, Pornsuree Jamsri, and Waqar Shahid	A Study on Applying an Autoregressive Model with the Kalman Filtering in Accuracy Improvement of Dissolved Oxygen Measurement Asadang Tanalipuknon and Jessada Karnjana	Machine Learning Methods for Assessing Freshness in Hydroponic Produce Konlakorn Wongpatkaseree, Narit Hnoohom, and Sumeth Yuenyong
16:59-17:11 [166S]	Exploring Effective Management Style for Creative Workers with Effect Size Analysis Rihyei Kang and Hiro Higashide		Applied Artificial Optimization Algorithm in Design Flaws Detection Sakorn Mekruksavanich
			Visual Big Data Analytics for Sustainable Agricultural Development Sakorn Mekruksavanich and Thirath Cheesuwan

ISAI-NLP/KICSS2018 (Day 2) Friday, November 16, 2018

	Infinity Ballroom	Gemini 1	Gemini 2	Poster Session
08:00-09:00	Registration Infinity Ballroom			
09:00-09:50	[ISAI-NLP/KICSS] 2018 Keynote Speech III: Representation learning with trainable COSFIRE filters Nicolai Perkov (09:00-09:50) (SC: Narumol Chumuang)			
09:50-10:15	Break			
	Session K03 (Session Chair: Takayuki Ito)	Session I05 - Track 1 (Session Chair: Prachya Boonkwan and Kanyalak Phidong)	Session K05 (Session Chair: Mikifumi Shikida)	Poster Session (10:30-17:00) Particularly, during the break, 10:00-10:30, 14:45-15:15, and 17:00-18:00
	(10:15-10:35) [123L] Proposal and Evaluation of Contribution Value Model for Creation Support System Yoshinori Kato, Tomonori Hashiyama, and Shunichi Tano	(10:15-10:30) [36R] Slamese LSTM with Convolutional Similarity for Similar Question Retrieval Avinash Kamineni, Harish Yenala, Manish Shivastava, and Manoj Chinnakota	(10:15-10:27) [157S] Emotion Classification using Brainwave Wichaya Wichienchai, Puwis Thiparpakul, and Pokpong Songmuang	KICSS 2018 Poster
	(10:35-10:55) [135L] Analysis of Aging Population on Consumption Structure: Creativity in Effective Industry Supply Shu Yu, Takaya Yuzono, and Liangliang Ma	(10:30-10:45) [14R] A Preliminary Study on Fundamental Thai NLP Tasks for User-generated Web Content Anuruth Lertpiya, Teerapat Chaiwachirasak, Nattasit Maharattanamat, Teerapat Lapatrapat, Tawannat Chalothorn, Nutcha Trasaraj, and Ekapol Chuangsuanwich	(10:27-10:39) [160S] Revealing the important features of mobile phishing San Kyaw Zaw and Sangsuee Vasupongyaya	[155P] A New Dimension for Smart Cities, Driven by an Economic and Localization perspective Mode Vasuaninchita, Varin Vongmanee, and Wanchai Rattanawong
	(10:55-11:15) [147L] A Study of Lexical Ambiguity in Large Forum Discussions for Multidisciplinary Knowledge Engineering Akharawoot Takhom, Prachya Boonkwan, H. Ulrich Hoppe, Mitsuru Ikeda, Sasiporn Usanavasin, and Thepchai Supnithi	(10:45-11:00) [42R] Sentiment Classification with Gated CNN for Customer Reviews Makoto Okada, Hidekazu Yanagimoto, and Kiyota Hashimoto	(10:39-10:51) [129S] Designing a Soft-skill Cultivation Platform for Health Care Professionals (HCPs): a study of BRAC's Community Health Workers (CHW) of Bangladesh Safinoor Sagorika and Shinobu Hasegawa	[138P] A collaborative active learning method for chance discovery and a virtual coordinator of relaxing travels plan with attractive experiences Taizo Miyachi and Takashi Furuhashi
	(11:15-11:35) [154L] Weather Scenario Generation Game Bipul Neupane, Nguyen Duy Hung, Teerayut Horanont	(11:00-11:15) [45R] Text Normalization on Thai Twitter Messages using IPA Similarity Algorithm Sangphet Proosukko and Rachada Kongkachandra	Session I06 - Track 3 (Session Chair: Hidekazu Yanagimoto)	ISAI-NLP 2018 Poster
10:15-12:00	(11:35-11:55) [163L] Improving Plant Recognition using Hybrid features from Connectionist and Knowledge-Based Approaches Benjaphan Sommana and Thanaruk Theeramunkong	(11:15-11:30) [8R] YouTube AV 50K: An Annotated Corpus for Comments in Autonomous Vehicles Tao Li, Lei Lin, Minsoo Choi, Kaiming Fu, Siyuan Gong, and Jian Wang	(11:00-11:15) [55R] Model for Handwritten Recognition Based on Artificial Intelligence Narumol Chumuang, Mahasak Ketcham	[20P] A Lexicographic Management System towards Linguistic Metacognition Tracking Sawitree Jumpathong, Kanyanut Kriengkiet, Prachya Boonkwan, Nattapol Anitsuthikul, and Thepchai Supnithi
	(11:55-12:10) [125R] Intermodal network design in freight transportation systems Tran Quynh Le, Suchada Rianmora, and Panitan Kewcharoenwong	(11:30-11:45) [69R] Thai Sentiment Analysis via Bidirectional LSTM-CNN Model with Embedding Vectors and Sentic Feature Thitorn Sansawang Na Ayutthaya and Kitsachart Pasupa	(11:15-11:30) [34R] Activity Recognition using Kinect and Comparison of Supervised Learning Models for Activity Classification Tanakorn Sawangkit, Tananya Thampairai, and Pokpong Songmuang	[21P] Social Media Account Extraction for Thai Celebrities Jian Qu, Nattakarn Phaphoom, and Chinrot Wangtraisung
		(11:45-12:00) [35R] Extractive Summarization for Myanmar Language Soe Soe Lwin and Khin Thandar Nwet	(11:30-11:42) [46S] The study of Factors and Model Creation for Predicting Academic Achievement Using Support Vector Machine Tridarat Pinthong, Worawut Yimyan, and Mahasak Ketcham	
			Session I06 - Track 2 (Session Chair: Korlakorn Wongpatkaseree)	
			(11:50-12:05) [32R] Indoor Positioning Estimation Using BLE Beacons Hidekazu Yanagimoto, Kiyota Hashimoto, and Tokuro Matsuo	
			(12:05-12:20) [47R] Comparative Assessment of Indoor Positioning Technologies, Techniques, and Algorithms Lhaikpa Dorji and Teerayut Horanont	
12:00-13:30	LUNCH at The Beach Club Restaurant Infinity Ballroom			
13:30-14:45	[KICSS 2018] Keynote Speech IV: Recent Research and Development of Polyolefins Technology in SCG-Chemicals Sumate Charoensaidet (13:30-14:10) (SC: Minoru Terano)			
	[ISAI-NLP 2018] Guest Speech II: Natural Language Processing for Legal Engineering and its Application Le Minh Nguyen (14:10-14:35) (SC: Marut Buranarach)			
14:45-15:10	Break			
	Session K04 (Session Chair: Thanaruk Theeramunkong)	Session I07 - Track 4 (Session Chair: Sakorn Mekruksavanich)	Session I08 - Track 3 (Session Chair: Nicolai Perkov and Katsuhide Fujita)	
	(15:10-15:25) [139R] The Effect of the Semantics of Diseases to Prevention Management Fees by using Propensity Score Matching Ryosuke Matsuo and Kenji Araki	(15:10-15:25) [27R] Cross-modal Correlation Analysis between Vowel Sounds and Color Win Thuzar Kyaw, Atsuya Suzuki, and Yoshinori Sagisaka	(15:10-15:30) [70L] Predicting learning organization factors that affect performance by data mining techniques Wiwit Suksangarn, Waratta Hemtong, and Sopaporn Klamsakul	
	(15:25-15:40) [141R] Research on Museum Lighting Design Method: Emotional Effects Based on the SVOE Model and Creative Thinking Zhisheng Wang, Yukari Nagai, Niangyou Zou, Ting Liu, Zhi Sun, and Jiahui Liu	(15:25-15:40) [7R] Analysis of communicative phrase prosody based on linguistic modalities of constituent words Kazuma Takada, Hideharu Nakajima, and Yoshinori Sagisaka	(15:30-15:50) [71L] A Comparative Study of Classification Liver Dysfunction with Machine Learning Sattaporn Thaiparnit, Narumol Chumuang, and Mahasak Ketcham	
	(15:40-15:55) [142R] Finding Grammar in Music by Evolutionary Linguistics Hirotaki Sudo, Masaya Taniguchi, and Satoshi Tojo	(15:40-15:55) [22R] Classification of Terrain Types in Unmanned Aerial Vehicle Images Inon Wiratsin, Veerapong Suchaporn, Pochara Trainorapong, Jirachaiapat Chaichinvara, Sakawroon Rattanajitdamrong, and Nant	(15:50-16:10) [16L] Estimation of Spectral Abundance Fractions using Fixed Acceleration Coefficients PSO Approach Vaibhav Lodhi, Debashish Chakravarty, and Pabitra Mitra	
	(15:55-16:10) [167R] A Method for Online Discussion Design and Discussion Data Analysis Naoko Yamaguchi, Takayuki Ito, and Tomohiro Nishida	Session I07 - Track 1 (Session Chair: Yoshinori Sakisaga)	(16:10-16:30) [50L] Simplicity of Positive Reviews and Diversity of Negative Reviews in Hotel Reputation Sachio Hirokawa and Kiyota Hashimoto	
15:10-17:00	(16:10-16:25) [169R] A Case-based Reasoning Approach for Automated Facilitation in Online Discussion Systems Wen Qu, Ahmed Moustafa, Takayuki Ito, Minjie Zhang, and Chunsheng Yang	(16:00-16:15) [15R] Chatbot: An automated conversation system for the educational domain Anupam Mondal, Monalisa Dey, Dipanker Das, Sachit Nagpal, and Kevin Garda	(16:30-16:45) [31R] Comparison of Machine Learning Algorithm's Performance Based on Decision making in Autonomous Car Ittikon Thammachantuek, Somkiat Kosolsombat, and Mahasak Ketcham	
	(16:25-16:37) [159S] Automatic Generating UML Use Case Diagram and Test Cases Based on Classification Tree Method Wassana Nalayo and Atichat Sangtong	(16:15-16:30) [25R] The estimation of stability of semantic space generated by word embedding algorithms Amrithan Sanchai, Alexander Pak, and Jaxylykova Assel Bulatova	(16:45-17:00) [18R] Machine Learning Classifications of Coronary Artery Disease Ali Bou Nassif, Omar Mahdi, Qassim Nasir, Manar Abu Talib, and Mohammad Azzeh	
	(16:37-16:49) [158S] Design and Implementation of Group Work Monitoring System for Exploring Creativity Aisuu Yoshitaka and Arit Minh Truong	(16:30-16:45) [43R] Keyphrase Extraction as Topic Identification Using Term Frequency and Synonymous Term Grouping Kwanruat Nokaeuw and Rachada	(17:00-17:20) [2L] Text-clustering based deep neural network for prediction of occupational accident risk: A case study Sobhan Sarkar, Valbhav Lodhi, and J. Maiti	
	(16:49-17:01) [121S] Effect of Auto-complete Function on Processing Web IDE for Novice Programmers Motoaki Miura			
18:30-21:00	Banquet at Bua Sawan Room			

iSAI-NLP/KICSS2018 (Day 3) Saturday, November 17, 2018

	Infinity Ballroom	Gemini 1	Gemini 2	
08:00-09:00	Registration			
	Session K06 <i>(Session Chair: Kiyota Hashimoto)</i>	Session T01	Session T02	
	(8:30-8:45) [164R] A Study of the Relationship between Color Combinations Preferences of Consumer and their Sports Lifestyle Based On AIO Lifestyle Scale <i>Lin Fu and Yukari Nagai</i>	iSAI-NLP Tutorial (T01) Chatbot	iSAI-NLP Tutorial (T02) Data Analytics	
	(8:45-9:05) [173L] Jupiter: An Automated Negotiation Environment for Supporting Agents that Use Machine Learning <i>Tomoya Fukui, Ahmed Moustafa, and Takayuki</i>			
	(9:05-9:20) [120R] Block Sweetie: Learning Web Application Development by Block Arrangement <i>Motoki Miura</i>			
08:30-10:00	(9:20-9:35) [128R] The AI Canvas Model for Succesfull Startup Companies <i>Jarot S. Suroso and Aldian Nurcahyo</i>			
	(9:35-9:50) [131R] A study on intellectual property strategy based on technological trajectory analysis of IoT related technology <i>Minoru Koide</i>			
	(9:50-10:05) [136R] Improving Technology for Open Lecture Distance Learning Support Systems <i>Satoshi Kadomatsu, Yasuko Nakada, and Yukari Nagai</i>			
	(10:05-10:20) [174R] The Design of Meta-Strategy that Can Obtain Higher Negotiating Efficiency <i>Xun Tang, Ahmed Moustafa, and Takayuki Ito</i>			
10:00-10:30	Break			
	Session K07 <i>(Session Chair: Motoki Miura)</i>	Session T01	Session T02	
	(10:30-10:45) [130R] Study of Intellectual Capital in Japanese Financial and Insurance Industries <i>Narumi Nakazato and Youji Kohda</i>	iSAI-NLP Tutorial (T01) Chatbot	iSAI-NLP Tutorial (T02) Data Analytics	
	(10:45-11:00) [134R] Toward the Inheritance and Application of Cultural Symbols in Apparel Creativity Design: A Case Study Using Seasonal Insects <i>Bo Du, Yukari Nagai, and Manqian Wang</i>			
	(11:00-11:15) [151R] An Automatic System to Detect Exudates in Mobile-Phone Fundus Images for DR Pre-screening <i>Varithdhom Kalpiyapan, Pakinee Aimanee, Stanislav Makhanov, Sakchai Wongsakittirak, and Navapol Karnchanaran</i>			
10:30-12:00	(11:15-11:30) [153R] A Quantification Technique of Air Trapping in Lungs using Stepwise Regression and Neural Network from End-inspiratory and End-Expiratory CT-images <i>Pikul Vejjanugraha, Kazunori Kotani, Waree Kongprawechnon, Toshiaki Kondo, and Kanokvate Tungpimolrut</i>			
	(11:30-11:45) [162R] Estimation of Origin-Destination using Mobile Phone Call Data: A Case Study of Greater Dhaka, Bangladesh <i>Dinesh Mani Bhandari, Apichon Witayangkurn, Ryosuke Shibasaki, and Md. Mafizur Rahman</i>			
	(11:45-11:57) [133S] Indonesian Human Profiles of Good Environmental Knowledge <i>Jarot S. Suroso, Bagus Sumargo, and Widiatul Mardiyah</i>			
12:00-13:30	LUNCH at The Beach Club Restaurant			
	Session Thai Track	Session T01	Session T02	
13:30-14:45	iSAI-NLP Thai Track	iSAI-NLP Tutorial (T01): Chatbot	iSAI-NLP Tutorial (T02): Data Analytics	iSAI-NLP/KICSS 2018 Excursion
14:45-15:15	Break			
	Session Thai Track	Session T01	Session T02	
15:15-18:30	iSAI-NLP Thai Track	iSAI-NLP Tutorial (T01) Chatbot	iSAI-NLP Tutorial (T02) Data Analytics	