

## ประวัติการทำงาน

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## Book:

Theeramunkong, T., Kongkachandra, R., Ketcham, M., Hnoohom, N., Songmuang, P., Supnithi, T., Hashimoto, K. Advances in Intelligent Informatics, Smart Technology and Natural Language Processing (2019) (Editor)

Chen, J., Theeramunkong, T., Supnithi, T., Tang, X. Knowledge and Systems Sciences (2017) (Editor)

Theeramunkong, Thanaruk, Kongkachandra, Rachada, Supnithi, Thepchai, Advances in Natural Language Processing, Intelligent Informatics and Smart Technology Selected Revised Papers from the Eleventh International Symposium on Natural Language Processing (SNLP-2016) and the First Workshop in Intelligent Informatics and Smart Technology, 10-12 February 2016, Phranakhon, Si Ayutthaya, Thailand. (Editors)

Numao, M., Theeramunkong, T., Supnithi, T., Ketcham, M., Hnoohom, N., Pramkeaw, P. Trends in Artificial Intelligence: PRICAI 2016 Workshops (2017) (Editor)

Supnithi, T., Yamaguchi, T., Pan, J.Z., Wuwongse, V., Buranarach, M. : Semantic Technology, 4th Joint International Conference, JIST 2014, Lecture Notes in Computer Science (Editors)

Tsukasa HIRASHIMA, Gautum BISWAS, Thepchai SUPNITHI and Fu-Yun YU, Proceedings of the 19th International Conference on Computers in Education (ICCE 2011), (Editors)

Thepchai Supnithi, Marut Buranarach, Nattanun Thatphithakkul, Boonek Junsirimongkol, Suwaree Wongrochananan, Nittayawan Kulnawan and Wiroj Jiamjarasrangi: A Self-Management Service Framework to Support Chronic Disease Patients' Self-Management in Progressive Trends in Knowledge and System-Based Science for Service Innovation, Page 425-451

Publication (2016-2017)

2016

Pattama Krataithong, Marut Buranarach, Nuttanont Hongwaritorn and Thepchai Supnithi: Semi-Automatic Framework for Generating RDF Dataset from Open Data, The 11th Symposium of NLP, February, 2016

Prasert Luekhong, Taneth Ruangrajitpakorn, Rattasit Sukhahuta and Thepchai Supnithi: A Study of a Thai-English Translation Comparing on Applying Phrase-based and Hierarchical Phrase-based Translation, The 11th Symposium of NLP, February, 2016

Sawitree Jumpathong, Sitthaa Phaholpinyo, Dhanon Leenoi, Kanyanut Kriengkhet, Prachya Boonkwan and Thepchai Supnithi: The Construction of LEXITRON Dictionary via a Computational Lexicography Method, The 11th Symposium of NLP, February, 2016

Prachya Boonkwan, Thepchai Supnithi, Wandee Tosuwan, Chai Wutiwiwatchai:  
The Development of an Audible Pattani Malay-Thai Electronic Phrasebook for Military Purposes. SLTU 2016: 237-242, May 2016.

Wichuphon Chariyamakarn, Poonpong Boonbrahm, Thepchai Supnithi and Taneth Ruangrajitpakorn: Ontology-based Supporting System for Integrated Farming towards a Concept of the Sufficiency Economy, The 13th International Joint Conference on Computer Science and Software Engineering (JCSSE2016), July 2016

Wasan NA Chai, Taneth Ruangrajitpakorn, Marut Buranarach, Thepchai Supnithi: A Framework to Generate Carrier Path Using Semantic Similarity of Competencies in Job Position. The Workshop Proceedings of the 14th Pacific Rim International Conference on Artificial Intelligence (PRICAI Workshop), August 2016

Marut Buranarach, Thepchai Supnithi, Ye Myat Thein, Taneth Ruangrajitpakorn, Thanyalak Rattanasawad, Konlakorn Wongpatikaseree, Azman Osman Lim, Yasuo Tan, Anunchai Assawamakin: OAM: An Ontology Application Management Framework for Simplifying Ontology-Based Semantic Web Application Development. International Journal of Software Engineering and Knowledge Engineering 26(1): 115-146 (2016)

Titie Panyajamorn, Youji Kohda, Pornpimol Chongphaisal and Thepchai Supnithi. The effectiveness and suitability of MOOCs hybrid learning: A case study of public schools in Thai rural area, KICSS 2016, November 2015

Wasan Na Chai, Taneth Ruangrajitpakorn, Marut Buranarach and Thepchai Supnithi: A Competency Similarity Detection for Generating Career Path, In Proceeding of the 23rd International Conference on Computers in Education (ICCE 2016), Mumbai, India, November, 2016.

Titie Panyajamorn, Youji Kohda, Pornpimol Chongphaisal and Thepchai Supnithi: The effectiveness and suitability of MOOCs hybrid learning: A case study of public schools in Thai rural area, In Proceeding of the 23rd International Conference on Computers in Education (ICCE 2016), Mumbai, India, November, 2016.

Sawitree Jumpathong, Sitthaa Phaholpinyo, Dhanon Leenoi, Kanyanut Kriengkhet, Prachya Boonkwan, and Thepchai Supnithi: LEXITRON Dictionary Improvement based on the Computational Lexicography Method,

Pattama Krataithong, Marut Buranarach, Nattanont Hongwarittorn, Thepchai Supnithi:  
A Framework for Linking RDF Datasets for Thailand Open Government Data Based on Semantic Type Detection. ICADL 2016: 257-268, December, 2016.

Wichuphon Chariyamakarn, Taneth Ruangrajitpakorn, Thepchai Supnithi and Poonpong Boonbrahm: Framework of Waste Recycling Suggestion in Sufficiency Economy Farming, The 20th International Computer Science and Engineering Conference (ICSEC 2016), December 2016

Sawitree Jumpathong, Sitthaa Phaholpinyo, Dhanon Leenoi, Kanyanut Kriengkhet, Prachya Boonkwan, and Thepchai Supnithi: LEXITRON Dictionary Improvement based on the Computational Lexicography Method, Journal of Intelligence Informatics and Smart Technology, Vol1, December 2016

2017

Prachya Boonkwan, Thepchai Supnithi, Bidirectional Deep Learning of Context Representation for Joint Word Segmentation and POS Tagging, ICCSAMA 2017, May 2017

Kanchana Saengthongpattana, Thepchai Supnithi and Nuanwan Soonthornphisaj Ontology-Based Classifiers for Wikipedia Article quality Classification, iSAI-NLP 2017, Aug 2017

Wasan Na Chai, Dhanon Leenoi, Witchaworn Mankhong and Thepchai Supnithi, Building a Multimodal Language Resource for Thai Cuisine, iSAI-NLP 2017, Aug 2017

Taneth Ruangrajitpakorn, Adisak Kingkaewkanthong, Wantana Moonjan, Cholthicha Sudmuk and Thepchai Supnithi, Towards Electronic Version of the Royin Thai Dictionary from Information-Heavily Semi-structured Data Source, iSAI-NLP 2017, Aug 2017

Kanyanut Kriengkhet, Sawitree Jumpathong, Prachya Boonkwan and Thepchai Supnithi, A Cognitive and Linguistic Analysis of Search Queries of an Online Dictionary: a Case Study of LEXiTRON, iSAI-NLP 2017, Aug 2017

Watchira Buranasing, Thepchai Supnithi and Marut Buranarach Thai Royal and Nobility Personal Name Extraction from Digital Archives, iSAI-NLP 2017, Aug 2017

Witchaworn Mankhong, Wasan Na Chai, Nattapol Kritsuthikul and Thepchai Supnithi, A Design of a Searching Application for Hierarchically Relational Data, , iSAI-NLP 2017, Aug 2017

Tama Duangnamol, Thepchai Supnithi, Gun Srijuntongsiri and Mitsuru Ikeda, Analyzing a practical implementation of training metacognition through solving mathematical word problems, ICCE 2017, Dec 2017

Wasan Na Chai, Taneth Ruangrajitpakorn and Thepchai Supithi, A tool for data acquisition of thinking processes through writing, ICCE 2017, Dec 2017

Watchira Buranasing, Thepchai Supnithi, Monthika Boriboon and Marut Buranarach, Location inference and verification techniques for cultural heritage attraction," ICCT 2017, Dec 2017

2018

A Comparative Study of Rule-based Inference Engines for the Semantic Web, IEICE Transactions on Information and Systems – Special Issue: Semantic Web and Linked Data, Vol.E101-D No.1, pp.82-89, Jan 2018.

Collaborative Ontology Development Approach for Multidisciplinary Knowledge: A Scenario-based Knowledge Construction System in Life Cycle; IEICE Transactions on Information and Systems; Accepted; Vol.E94-D, No.3, pp.884-891, April 2018.

An Ontology-based Approach to Supporting Knowledge Management in Government Agencies: A Case Study of the Thai Excise Department, IEICE Transactions on Information and Systems – Special Issue: Intelligent Information and Communication Technology and its Applications to Creative Activity Support, Vol. E101-D No.4, pp. 884-891, Apr 2018.