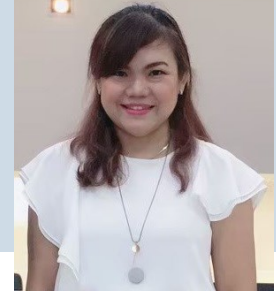






College of
Interdisciplinary
Studies

ผู้ช่วยศาสตราจารย์ ดร.รัชฎา คงคะจันทร์
RACHADA KONGKACHANDRA, PH.D.



College of Interdisciplinary Studies, 
Thammasat University

085-1299196 

krachada@staff.tu.ac.th 



EDUCATION

Ph.D. (Electrical and Computer Engineering) | King Mongkut's University of Technology Thonburi, Thailand

M.Sc. (Computer Technology) | Asian Institute of Technology, Thailand

B.Sc. (Computer Science) | Thammasat University, Thailand



BOOKS

1. 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)
2. 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)

JOURNAL PAPERS

1. Phuridech Phopiphat and **Rachada Kongkachandra** (2015) " The Recognition System of Sentential Nouns Phrase Structure Using Conditional Random Field Model", International Journal of Artificial Intelligence & Applications (IJAIA), Vol. 6, No. 4, July 2015.
2. Surasa Sookgont, Thepchai Supnithi and **Rachada Kongkachandra** (2015) " Classification of Serial Verb Constructions in THAI", International Journal of Artificial Intelligence & Applications (IJAIA), Vol. 6, No. 4, July 2015.
3. Sirisak Visessenee, Sanparith Marukatat and **Rachada Kongkachandra** (2014) "Automatic Training Data Synthesis for Handwriting Recognition using the Structural Crossing-Over Technique", International Journal of Artificial Intelligence

& Applications (IJAIA), Vol. 5, No. 5, September 2014.

4. วิเศษสุวรรณ์ เอี่ยมสำอางค์ และ **รัชฎา ดงคะจันทร์**. การแยกภาพตัวอักษรลายมือเขียนภาษาไทยแบบอัตโนมัติโดยใช้การวิเคราะห์ถดถอยเชิงเส้นและการเรียนรู้ด้วยต้นไม้ตัดสินใจ. Thai Journal of Science and Technology, ปีที่ 2, ฉบับที่ 2, พฤษภาคม - สิงหาคม 2556.

PROCEEDINGS

1. Kanyalag Phodong and **Rachada Kongkachandra**, Improving Thai-English Word Alignment for Interrogative Sentences in SMT by Grammatical Knowledge, KST 2017, Pattaya, Thailand
2. K. Phodong and **R. Kongkachandra**, Using Linguistic Knowledge for Enhancing Word Alignment in Thai-English SMT, The twelfth 2017 International Conference on Knowledge, Information and Creativity Support Systems (KICSS), Nagoya, Japan, 2017.
3. Kwanrutai Nokkaew, **Rachada Kongkachandra**, Semantics-Based Topic Identification for keyphrase Extraction, KICSS 2017 (12th 2017 international conference on Knowledge, Information and Creativity Support System), Nagoya, Japan, during 9 - 11 November 2017.
4. Vorapon Luantangrisuk, Pokpong Songmuang, **Rachada Kongkachandra**, Automated Test Assembly with Minimum Redundant Questions Based on Bee Algorithm, The 12th International Conference on SIGNAL IMAGE TECHNOLOGY & INTERNET BASED SYSTEMS, SITIS 2016, Italy
5. Kanyalag Phodong, **Rachada Kongkachandra**, Improvement of Word Alignment in Thai-English Statistical Machine Translation by Grammatical Attributes Identification, 8th INTERNATIONAL CONFERENCE on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE, (ECAI-2016), Romania, June 30– July 02, 2016
6. Nidcha Bumrung and **Rachada Kongkachandra**. An Automatic Compound Noun Extraction System for Thai Sentences. The Eleventh International Symposium on Natural Language Processing SNLP-2016, February 10-12, 2016, Classic Kameo Hotel & Serviced Apartments, Phranakhon Si Ayutthaya, Thailand.
7. Kwanrutai Nokkaew and **Rachada Kongkachandra**, Keyphrase Extraction as topic Identification using Term Frequency and Stnonymous Term Grouping , The Thirteen International Joint Symposium on Artificial intelligence and Natural Language Processing (iSAI-NLP 2018), Bangkok, Thailand, November 15-17, 2018, Best Presentation Award.
8. Rattapoom Kedtiwerasak, Ekkarat Adsawinnawanawa, Pimolluck Jirakunkanok and **Rachada Kongkachandra**, Thai Keyword Extraction using TextRank Algorithm, The 14th International Joint Symposium on Artificial Intelligence and Natural Language Processing (iSAI-NLP 2019), October 30 – November 1, 2019, Chiangmai, Thailand.

9. Kanyalag Phodong, Thepchai Supnithi and **Rachada Kongkachandra**, A Framework of Computer-Based Learning System Based on Self-Regulated Model in English Writing, The 14th International Joint Symposium on Artificial Intelligence and Natural Language Processing (iSAI-NLP 2019), October 30 – November 1, 2019, Chaingmai, Thailand.
10. Kwanrutai Saelim and **Rachada Kongkachandra**, Using Conceptual Graph to Represent Semantic Relation of Thai Facebook Posts in Marketing, The 14th International Joint Symposium on Artificial Intelligence and Natural Language Processing (iSAI-NLP 2019), October 30 – November 1, 2019, Chaingmai, Thailand.
11. Taweewat Luangwiriya, **Rachada Kongkachandra** and Pokpong Songmuang, Representation of Conflicts in Non-Functional Requirement using Conceptual Graphs, 2020 International Conference on Frontiers of Artificial Intelligence and Machine Learning (FAIML 2020) , Berlin, Germany on September 16-18, 2020.



RESEARCH INTERESTS

- Artificial Intelligence
- Natural Language Understanding
- Text Network Analysis
- Data Science
- Speech Recognition