

Dr. Rachsuda Jiamthapthaksin

Awarded St. Thomas Aquinas Award for Research (Third Class)

Citation

Dr. Rachsuda Jiamthapthaksin joined Assumption University as a full-time lecturer of Faculty of Science and Technology in November, 1997 after obtaining her BSCS degree from the faculty, Assumption University. She received Master Student Scholarship from the university for her MSCS degree at Assumption University and graduated with Honors in 1999. She received GATF scholarship and Computer Science Doctoral Student Scholarship to pursue her PhDCS degree in Computer Science at University of Houston, USA and graduated in 2009 and re-joined Assumption University as a full-time lecturer of Vincent Mary School of Science and Technology in 2010. In academic year 2016, she has been appointed as Graduate Director in Computer Science and as Director, Computer Science Graduate Laboratory – Vincent Mary School of Science and Technology. She has demonstrated good performance in teaching and research and professional services in the past several years, which are as follows.

1. Assumption University Research Grant, 2015, “*A Framework of Incorporating Social Networking Mining in Lifestyle Segmentation Analysis of Assumption University Students*” by Rachsuda Jiamthapthaksin (PI) and Nitipan Ratanasawetwad (Co-PI)
2. Reviewers/ PC Member for International Conferences and Journals
 - International Journal of Knowledge and Information Systems (KAIS 2016)
 - IEEE International Conference on Data Mining PhD Forum (ICDM 2015)
 - 39th National Graduate Research Conference : Science and Technology, Assumption University (NGRE 2016)
 - International Journal of Knowledge and Information Systems (KAIS 2012)
 - International Journal of Information Technology & Decision Making (IJITDM 2010)
 - IEEE International Conference on Data Mining (ICDM 2010)
3. Session Chair:
 - International Conference on Information Science and Application (ICISA2016)
 - International Conference on Intelligent Technology (InTech 2010)
4. Research Publications
 - Coetsier, J.C., Coughlin, R., and Jiamthapthaksin, R., “*Integrating Labeled Latent Dirichlet Allocation into Sentiment Analysis of Movie and General Domains*,” submitted to the 9th International Conference on Knowledge and Smart Technology (KST 2017) -- *under review*

- Jiamthapthaksin, R., and Aung, T.H., “*User Preferences Profiling Based on User Behaviors on Facebook Page Categories*,” submitted to the 9th International Conference on Knowledge and Smart Technology (KST 2017) -- *under review*
- Jiamthapthaksin, R. “*Thai Text Topic Modeling System for Discovering Group Interests of Facebook Young Adult Users*,” in Proceedings of the 2nd International Conference on Science in Information Technology (ICSITech), Balikpapan, October 26-27, 2016.
- Cong, S.N.D, Ngo, Q. H., and Jiamthapthaksin, R. “*State-of-the-Art Vietnamese Word Segmentation*,” in Proceedings of the 2nd International Conference on Science in Information Technology (ICSITech), Balikpapan, October 26-27, 2016.
- Mudjihartono, P., Jiamthapthaksin, R., and Tanprasert, T., 2016, “*Parallelized GA-PSO Algorithm for Solving Job Shop Scheduling Problem*,” in Proceedings of the 2nd International Conference on Science in Information Technology (ICSITech), Balikpapan, October 26-27, 2016.
- Jiamthapthaksin, R., Aung, T.H., and Ratanasawadwat, N., 2016, “*A Framework of Incorporating Thai Social Networking Data in Online Marketing Survey*,” in Information Science and Applications (ICISA) 2016, Volume 376 of the series Lecture Notes in Electrical Engineering, pp. 1169-1177.
- Jiamthapthaksin, R., and Setthawong, P., Ratanasawetwad, N., 2016, “*A System for Popular Thai Slang Extraction from Social Media Content with N-Gram Based Tokenization*,” in Proceedings of the 8th International Conference on Knowledge and Smart Technology (KST 2016)– IEEE XPlore, pp. 130-135.
- Fei, S., and Jiamthapthaksin, R., 2016, “*Dimension Independent Cosine Similarity for Collaborative Filtering using MapReduce*,” in Proceedings of the 8th International Conference on Knowledge and Smart Technology (KST 2016) – IEEE XPlore, pp. 72-76.
- Mudjihartono, P., Tanprasert, T., and Jiamthapthaksin, R., 2016, “*Clustering Analysis on Alumni Data Using Abandoned and Reborn Particle Swarm Optimization*,” in Proceedings of the 8th International Conference on Knowledge and Smart Technology (KST 2016) – IEEE XPlore, pp. 22-26.
- Aung, T.H., and Jiamthapthaksin, R., 2015, “*Alternating Least Squares with Incremental Learning*,” in Proceedings of the 12th International Joint Conference on Computer Science and Software Engineering (JCSSE 2015), – IEEE XPlore, pp. 297-302.
- Ko Ko, S., and Jiamthapthaksin, R., “*A Categorized Item Recommender System Coping with User Interest Changes*”, in *the Proceedings of The 3rd International Conference on Database and Data Mining (ICDDM2014)*, Pattaya, Thailand, June 7-8, 2014.
- R. Jiamthapthaksin, C.F. Eick, and S. Lee, GAC-GEO: A Generic Agglomerative Clustering Framework for Geo-referenced Datasets, *An International Journal of Knowledge and Information Systems (KAIS)*, 2011, 29:597-628.

- Jiamthapthaksin, R., Choo, J., Chen, C., Celepcikay, O., Giusti, C., and Eick, C., "MOSAIC: Agglomerative Clustering with Gabriel Graphs" in a book chapter, *Advances in Data Warehousing and Mining (ADWM) Book Series*, IGI Press, USA, ISBN: 1935-2646, July 2009.
- Jiamthapthaksin, R., Eick, C.F., and Vilalta, R., "A Framework for Multi-objective Clustering and its Application to Co-location Mining" in the *Proceedings of the 5th International Conference on Advanced Data Mining and Applications (ADMA2009)*, Beijing, China, August, 2009.
- Jiamthapthaksin, R., Eick, C. F., and Rinsurongkawong, V., "An Architecture and Algorithms for Multi-Run Clustering" in the *Proceedings of the 2009 IEEE Symposium on Computational Intelligence and Data Mining (CIDM2009)*, Nashville, TN, April, 2009.
- Bagherjeiran, A., Celepcikay, O. U., Jiamthapthaksin, R., Chen, C.-S., Rinsurongkawong, V., Lee, S., Thomas, J., and Eick, C. F., "Cougar²: An Open Source Machine Learning and Data Mining Development Framework" in the *Proceedings of the Open Source Data Mining Workshop (OSDM2009)*, Bangkok, Thailand, April 2009.
- Ding, W., Jiamthapthaksin, R., Parmar, R., Jiang, D., Stepinski, T., and Eick, C., "Towards Region Discovery in Spatial Datasets" in the *Proceedings of the Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD2008)*, Osaka, Japan, May, 2008.
- Choo, J., Jiamthapthaksin, R., Chen, C., Celepcikay, O., Giusti, C., and Eick, C., "MOSAIC: A Proximity Graph Approach to Agglomerative Clustering" in the *Proceedings of the 9th International Conference on Data Warehousing and Knowledge Discovery (DaWaK2007)*, Regensburg, Germany, September 2007.
- Choo, J., Jiamthapthaksin, R., Chen, C., Celepcikay, O., Giusti, C., and Eick, C., "A Hybrid Clustering Technique that Combines Representative-Based and Agglomerative Clustering" in *UH Technical Report*, University of Houston, TX, December 2006.
- Koolmanojwong, S., Jiamthapthaksin, R., and Daengdej, J., "An Agent Architecture for Competitive Application Environment" in the *Proceedings of the IEEE Aerospace Conference*, Big Sky, Montana USA, March 2004.
- Santiprabhob, P., Dowpiset, K., and Jiamthapthaksin, R., "Fuzzy Relational Products in Information Processing: Classical Products and New Products" in the *Proceedings of the 9th IEEE International Conference on Fuzzy Systems*, Texas, May 2000.
- Jiamthapthaksin, R., and Santiprabhob, P., "Fuzzy Information Retrieval based on Graded Features for Web-based Thailand's Travel Guidance" in the *Proceedings of the 5th Joint Conference on Information Science (JCIS2000)*, the *7th International conference on Fuzzy Theory and Technology*, New Jersey, USA, February 2000.
- Jiamthapthaksin, R., and Santiprabhob, P., "A Fuzzy Relational Framework for Thailand's Travel Guidance System" in the *Proceedings of the International Association of Science and Technology for Development International Conference (IASTED2000)*, Austria, February 2000.

For her valuable contributions to research, Assumption University is pleased to confer the St. Thomas Aquinas Award for Research (Third Class) on Dr. Rachsuda Jiamthaphaksin on this auspicious date of December 24, 2016.

