



Dr. Kritanut Chungnoy

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Summary

A Doctor of Philosophy in Computer Science with 9 years of comprehensive experience in software development, data science, artificial intelligence, and academic instruction¹¹.

Possesses a strong background in research, particularly in data imputation and explainable AI, evidenced by multiple publications. Experienced in organizing academic conferences and delivering lectures and workshops on AI-related topics to diverse audiences.

Experience

Lecturer and Curriculum Committee, Business Information Systems (Bachelor's Program)

Chandrakasem Rajabhat University

2019 - Present

- Organized international academic conferences including ICCI 2022, 2023, 2024, and 2025.
- Organized the International Workshop on Artificial Intelligence for Signal, Image Processing and Multimedia (AI-SIPM2 2024).
- Organized events and workshops on Data Science, AI for Business, and Thailand's AI Ethics Guideline.

Education

Doctor of Philosophy (Ph.D.) in Computer Science

Thammasat University *Graduated 2024*

Master of Science (M.S.) in Computer Science

Thammasat University *Graduated 2020*

Bachelor of Science (B.S.) in Computer Science

Thammasat University *Graduated 2016*

Professional Activities & Invited Talks

- **Reviewer and Session Chair:** International Conference on Cybernetics and Innovations (ICCI) 2024 & 2025.
- **Invited Speaker:** "AI in Marketing," Chandrakasem Rajabhat University, Feb 2024.
- **Invited Speaker:** "AI in Marketing," Rajapruk University, Mar 2024.
- **Workshop Instructor:** "Generative AI and Ethics: Building a Better Future," Sakon Nakhon Rajabhat University, Feb 2024.
- **Invited Speaker:** "AI Ethics" for the Thailand AI Ethics Guideline project, 2022-2023.
- **Workshop Instructor:** "Infographic Data Presentation for Data-Driven Organizations," Aug 2023.
- **Committee Member:** Super AI Engineer program, Dec 2020 - Apr 2021.
- **Web Master:** Served as Web Master for numerous international conferences including JCSSE 2021, iSAI-NLP 2021, ICCI (2022-2025), ICRM 2024, and AI-SIPM2 2024.

Publications

- Chungnoy, K., Tanantong, T., & Songmuang, P. (2024). Missing value imputation on gene expression data using bee-based algorithm to improve classification performance. *Plos one*, 19(8), e0305492.
- Chungnoy, K., Tanantong, T., & Songmuang, P. (2024). Bee-inspired knowledge transfer: synthesizing data for enhanced deep learning explainability. *Indonesian Journal of Electrical Engineering and Computer Science*, 36(2), 1052-1069.
- Surasit Uypatchawong, Kritannut Chungnoy and Pokpong Songmuang. (2024). Enhancing Online Education Adaptability via a Recommendation System Driven by Bee Algorithm for Data Enrichment. *AJCC 2024: The Asia Joint Conference on Computing*.
- Chantaracha, N., Sunitsakul, N., & Chungnoi, K. (2024, March). An Explainable Recommender System for Singing-music according to Individual's Vocal Abilities Using

Modified K-Nearest Neighbor. In *2024 IEEE International Conference on Cybernetics and Innovations (ICCI)* (pp. 1-6). IEEE.

- Chungnoy, K., & Songmuang, P. (2023, March). Missing Values Imputation Framework for Mixed Datasets. In *2023 IEEE International Conference on Cybernetics and Innovations (ICCI)* (pp. 1-5). IEEE.
- Chungnoi, Krittanut, Rachada Kongkachandra, and Sarun Gulyanon. "The Computational Method for Supporting Thai VerbNet Construction." *ACM Transactions on Asian and Low-Resource Language Information Processing* (2023).
- Kritanat Chungnoy, et al. "Improving Bees-based Imputation using Nearest Neighbor for Heuristic Function in Imputing Data." *AICCC 2019* December 2019.
- Kritanut Chungnoy, Pornthep Khongchai and Pokpong Songmuang, "Missing Data Imputation based on Enhanced Bees Algorithm." *KICSS2017* November 2017.
- Kritanut Chungnoy, Pornthep Khongchai and Pokpong Songmuang, "Missing Data Imputation based on Bees Algorithm." *Artificial Intelligence and Natural Language Processing (ISAI-NLP 2017)*, 95.
- Kittanut Chungnoi, Vorapon Luantangrisuk and Pokpong Songmuang, "Development of Tutor Recommendation with Subject grade Prediction based on Linear Regression." *MITiCon2017*⁵¹.