

PETCH SAJJACHOLAPUNT

Address

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Research Interests

Technology-Enhanced Learning, Recommendation System, Image Processing and Natural Language Processing.

Professional Experience

- **Lecturer**, Faculty of ICT, since 2009
- **Assistant Dean for Administration** at Faculty of ICT, 2018 - 2019
- **Assistant Dean for Human Resources** at Faculty of ICT, 2019 – 2022
- **Former HRD Subcommittee member at The National Broadcasting and Telecommunication commission (NBTC)**, 2019 – 2022
- **Deputy Dean for Administration and Human Resources** at Faculty of ICT, since 2022

Functional Engineering Analytics (Research Collaboration), Western Digital (Thailand), since August 2019

Education

- Doctor of Philosophy, Department of Computer Science
University of Warwick, United Kingdom, 2016
- Master of Philosophy in Computer Science, Department of Computer Science
The University of Manchester, United Kingdom, 2012
- Master of Science in Computer Science, Department of Computer Science
The University of Manchester, United Kingdom, 2010
- Bachelor of Science in Information and Communication Technology, Faculty of ICT
Mahidol University, Thailand, 2007

Selected Professional Service

- Project Leader of Research collaboration with the HGST (Thailand) Ltd. (Western Digital Thailand) on the topic “AN AUTO-DIAGNOSTIC TOOL FOR IDENTIFYING CAUSAL RELATIONSHIP AMONG HDD DRIVE PARAMATERS”.

Selected Research Grants

- Young Researcher Grant from Mahidol University, 2021 - 2022

Publication Statistics

Monographs: 0

Journal Articles: 1

Conference Papers: 11

Book Chapters: 1

Workshop Papers: 0

Edited Volumes: 0

Citations: Google Scholar: 21 with h-index of 3

Scopus: 8 (excluding self-citations) with h-index of 2

Selected Publications (Full publication list: <https://scholar.google.co.th/citations?user=DT8xeNUAAAJ&hl=en>)

Sajjacholapunt, P., Supratak, A., & Tuarob, S. (2022). Automatic measurement of acidity from roasted coffee beans images using efficient deep learning. *Journal of Food Process Engineering*, 45(11), e14147.

Kitsathan, N., **Sajjacholapunt**, P., & Praiwattana, P. (2021, October). ARSci: The Framework for building Augmented Reality in Scientific Learning. In 2021 5th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT) (pp. 246-251). IEEE.

Sajjacholapunt, P., Permholphattana, S., Sariyarsheeva, K., Phanphila, P., & Jatuviriyapornchai, W. (2020, October). Pattana: An Online Course Learning Outcome Assessment Application. In 2020-5th International Conference on Information Technology (InCIT) (pp. 167-172). IEEE.

S. Pongpaichet, T. Unprasert, S. Tuarob and P. **Sajjacholapunt**, "SGD-Rec: A Matrix Decomposition Based Model for Personalized Movie Recommendation," 2020 17th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON), Phuket, Thailand, 2020, pp. 588-591, doi: 10.1109/ECTI-CON49241.2020.9158308.

Pipatnoraseth, T., Phognsuphap, S., Wiratkapun, C., Tanawongsuwan, R., **Sajjacholapunt**, P., & Shimizu, I. (2019, November). Breast Microcalcification Visualization Using Pseudo-Color Image Processing. In 2019 12th Biomedical Engineering International Conference (BMEiCON) (pp. 1-5). IEEE.

Sajjacholapunt, Petch, and Mike Joy. "SRECMATs-An Intelligent Tutoring System to Deliver Online Materials for Student Revision." In CSEDU (1), pp. 67-74. 2016.

Sajjacholapunt, Petch, and Mike Joy. "Research on potential features to enhance on-line course materials for student revision." (2017).

Sajjacholapunt, Petch. "Enhancing Online Course Materials for Self-revision in Higher Education." PhD diss., University of Warwick, 2016.

Sajjacholapunt, Petch, and Mike Joy. "Analysing Features of Lecture Slides and past Exam Paper Materials." In Proceedings of the 7th International Conference on Computer Supported Education-Volume 1, pp. 169-176. SCITEPRESS-Science and Technology Publications, Lda, 2015.

Sajjacholapunt, P., and M. Joy. "Exploring patterns of using learning resources as a guideline to improve self-revision." INTED2014 Proceedings (2014): 5263-5271.