

## PERSONAL DATA



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## EDUCATION

Ph.D. Degree	มหาวิทยาลัยสงขลานครินทร์ Prince of Songkla University
Master Degree	มหาวิทยาลัยสงขลานครินทร์ Prince of Songkla University
Bachelor Degree	มหาวิทยาลัยสงขลานครินทร์ Prince of Songkla University

## RESEARCH INTERESTS

Previous work :

Thai Fingers-Spelling Recognition

Thai Sign Language CAI

Image Processing



Pattern Recognition



Computer Vision

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## RESEARCH PROJECTS

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### [Research Projects](#)

## TEACHING

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240-101 Introduction to Computer Programming

242-212 Probability and Statistics

976-121 Statistical Method

240-201 Computer Engineering Software Laboratory I

977-370 Special topic in software engineering I (python website developer)

977-390 Workshop III (Mobile Application Development with Flutter Framework)

## INTERNATIONAL JOURNAL ARTICLES

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Kittasil Silanon, Kullawat Chaowanawatee, and Thitinan Kliangsuwan, "Thai Amulet Recognition using Vision Transformers" *Songklanakarin Journal of Science and Technology (SJST)*, 46(2), 226–233, Mar-Apr 2024.

📅 3/2024 🧠 Artificial Intelligence

Kullawat Chaowanawatee, Kittasil Silanon and Thitinan Kliangsuwan, "Thai Finger-Spelling using Vision Transformer" *International Journal of Advanced Computer Science and Applications(IJACSA)*, 14(11), 2023.

doi:10.14569/IJACSA.2023.0141135

📅 12/2023 🧠 Artificial Intelligence

Kittasil Silanon:

Thai Finger-Spelling Recognition Using a Cascaded Classifier Based on Histogram of Orientation Gradient Features.

[Comp. Int. and Neurosc. 2017](#): 9026375:1-9026375:11 (2017)

📅 1/2017

## INTERNATIONAL PROCEEDINGS

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K. Silanon and N. Lertchuwongsa, "A Novel Classification Layer Technique for ASL Analysis Using CNN," *2023 20th International Joint Conference on Computer Science and Software Engineering (JCSSE)*, Phitsanulok, Thailand, 2023, pp. 118-122, doi: 10.1109/JCSSE58229.2023.10202089.

📅 8/2023 🧠 Artificial Intelligence

K. Chaowanawatee, K. Silanon and T. Kliangsuwan, "Phuket Landmark Recognition using Fine-Tuned Convolutional Neural Network," *2022 13th International Congress on Advanced Applied Informatics Winter (IIAI-AAI-Winter)*, Phuket, Thailand, 2022, pp. 257-261, doi: 10.1109/IIAI-AAI-Winter58034.2022.00057.

📅 12/2022 🧠 Artificial Intelligence

K. Kaewwongsri and K. Silanon, "Design and Implement of a Weather Monitoring Station using CoAP on NB-IoT Network," *2020 17th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON)*, Phuket, Thailand, 2020, pp. 230-233, doi: 10.1109/ECTI-CON49241.2020.9158290.

📅 7/2020

W. Nittaya, K. Wetchasit and K. Silanon, "Thai Lip-Reading CAI for Hearing Impairment Student," *2018 Seventh ICT International Student Project Conference (ICT-ISPC)*, Nakhonpathom, 2018, pp. 1-4.  
doi: 10.1109/ICT-ISPC.2018.8523956

📅 7/2018 📁 Media Studies

Kittasil Silanon ; Nikom Suvonvorn  
Fuzzy finger shapes and hand appearance features for Thai letter finger spelling  
2017 14th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON)

📅 1/2017

Kittasil Silanon  
Thai Finger-Spelling Computer-Assisted Instruction for Hearing and Speaking Impaired Children  
i-CRETe 2016 Proceedings of the international Convention on Rehabilitation Engineering & Assistive Technology  
Article No. 5

📅 1/2016

Kittasil Silanon, [Nikom Suvonvorn](#):  
Finger-spelling recognition system using fuzzy finger shape and hand appearance features. [DICTAP 2014](#): 419-424

📅 1/2014

Kittasil Silanon, [Nikom Suvonvorn](#):  
Fingertips Tracking Based Active Contour for General HCI Application. [DaEng 2013](#): 309-316

📅 1/2013

Kittasil Silanon, [Nikom Suvonvorn](#):  
Real Time Hand Tracking as a User Input Device. [KICSS 2010](#): 178-189

📅 1/2010

## RESEARCH GRANTS

การสร้างสื่อการเรียนรู้อินเทอร์เน็ตสรรพสิ่ง  
funded by ม.อ.ชุมชนเข้มแข็ง ปีงบประมาณ 2562, 2019

📅 2019

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COLLEGE OF COMPUTING

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