

## PERSONAL DATA



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## PUBLICATIONS SUMMARY

3

International Journal

9

International Proceedings

1

Research Grants

Total Publications: 13

## 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

Computer Vision



Image Processing



Pattern Recognition

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## 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)

977-358 Digital Technology for Medical Innovation

977-121 MODULE: Website Design and Development

977-112 Database Systems

977-200 Linear Algebra for Engineering

## 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.

🔗 <https://sjst.psu.ac.th/article.php?art=3139>

📅 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

🔗 <https://thesai.org/Publications/ViewPaper?Volume=14&Issue=11&Code=IJACSA&SerialNo=35>

📅 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.

🔗 <https://ieeexplore.ieee.org/document/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.

🔗 <https://ieeexplore.ieee.org/document/10123623>

📅 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

🔗 <https://ieeexplore.ieee.org/document/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-CREATe 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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