Chaklam Silpasuwanchai

http://chaklam.com
http://github.com/chaklam-silpasuwanchai

Email : chaklam@ait.asia
Mobile : +66-63-310-9191

Skills

- **Language**: Python, Java
- **Tools/Frameworks**: PyTorch, SpringBoot
- **Theory**: Machine/Deep Learning, Natural Language Processing, Software Engineering, Hypothesis Testing, Data Structures and Algorithms

Selected Projects

- **BCI Speller**: Develop a real-time speller using EEG for locked-in patients.
- **Large Language Models**: Develop conversational AI for legal question answering, university chatbots, summarization, etc. using large language models.
- **Non-Invasive Blood Glucose Measuring Using Raman Spectroscopy**: Utilize Raman Spectroscopy to non-invasively measure blood glucose through fingernails.
- **Medical Imaging**: Utilize deep learning and language models for medical image analysis and explanations.

Working Experience

- **Asian Institute of Technology** — Pathumthani, Thailand
  Assistant Professor, School of Engineering and Technology — *January 2019 – present*
- **Stamford International University** — Bangkok, Thailand
  Faculty, IT Program, Faculty of Business and Technology — *March 2017 - December 2019*
- **Kasetsart University** — Bangkok, Thailand
  Visiting Professor, Department of Statistics — *July 2018 - December 2018*
- **Kochi University of Technology** — Kochi, Japan
  Postdoctoral Researcher — *April 2015 - February 2017*

Education

- **Kochi University of Technology** — Kochi, Japan
  Doctor of Engineering in Computer Science; GPA: 4.00 — *March 2012 – March 2017*
- **Asian Institute of Technology** — Pathumthani, Thailand
  Master of Engineering in Computer Science; GPA: 3.94 — *August 2009 – May 2011*
- **Sirindhorn International Institute of Technology** — Pathumthani, Thailand
  Bachelor of Science in Computer Science; GPA: 3.82 (First-Class Honours) — *June 2004 – March 2008*

Selected 5 Publications

Google Scholar (h-index, citations): 11, 561 (Last updated: May 26, 2023)

1. Pananookooln, C., Akaranee, J., and Silpasuwanchai, C.. Comparing Selective Masking Methods for Depression Detection in Social Media. *Computational Linguistics.* 2023. *(IF: 7.778)*
2. Romen, W. and Silpasuwanchai, C.. Neural stochastic differential equations network as uncertainty quantification method for EEG source localization. *Biomed Physical Eng Express.* 2022. *(IF: 1.463)*
3. Niksirat, KS., Silpasuwanchai, C., Cheng, P. and Ren, X. Attention Regulation Framework: Designing Self-Regulated Mindfulness Technologies. *ACM Transactions on Computer-Human Interaction.* 26, 6, Article 39 (November 2019), 44 pages. DOI: https://doi.org/10.1145/3359593. *(IF: 2.227)*
4. Niksirat, KS., Silpasuwanchai, C. and Ren, X. Sex Differences in relationship between flow proneness in everyday life and gray matter of the dopaminergic system: a cross-sectional study. *Personality and Individual Differences 141.* 2019. *(IF: 2.390)*
5. Sarcar, S., Jokinen, J., Oulasvirta, A., Wang, Z., Silpasuwanchai, C. and Ren, X. Ability-Based Optimization of Touchscreen Interactions. *IEEE Pervasive Computing 17(1).* 2018. *(IF: 3.022)*