

# Wudhichart Sawangphol

## Address

Faculty of ICT  
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## Research Interests

Automated Reasoning, Description Logic, Ontology, Constraint Programming, Machine Learning, Data analysis, and Data Visualisation.

## Professional Experience

Lecturer, Faculty of Information and Communication Technology (ICT), Mahidol University, Nakhonpathom, Thailand, since 2009

Assistant Dean for Academic Services, Faculty of Information and Communication Technology (ICT), Mahidol University, Nakhonpathom, Thailand, since Oct 2018

Teaching Associate, Faculty of Information Technology, Monash University, Melbourne, Australia, 2012-2017

## Education

Doctor of Philosophy in Information Technology  
Faculty of Information Technology, Monash University, Clayton Campus, Australia, 2017

Master of Information Technology (Minor Thesis)  
Faculty of Information Technology, Monash University, Caulfield Campus, Australia, 2012

Bachelor of Science in Information and Communication Technology, First Class Honours  
Faculty of Science, Mahidol University, Salaya Campus, Thailand, 2008

## Selected Honors

### Best Paper Awards

Mitpanont, J., **Sawangphol, W.**, Chankong, C., Jitsuphap, A., & Wongkhumsin, N. (2018). I WISH: Integrated Well-Being IoT System for Healthiness. Paper presented at the 15th International Joint Conference on Computer Science and Software Engineering (JCSSE2018), Nakhon Pathom, Thailand.

Mitpanont, J., Roungsuriyaviboon, J., Sathapornwatanakul, T., **Sawangphol, W.**, Kobayashi, D., & Haga, J. H. (2017). Extending MedThaiVis-Thai Medical Research Visualization to SAGE2 Display Walls. Paper presented at the 2nd International Conference on Information Technology (InCIT2017), Nakhon Pathom, Thailand.

## Selected Professional Service

### Program Committee

The International Joint Conference on Computer Science and Software Engineering (JCSSE), 2018

The ICT International Student Project Conference (ICT-ISPC), 2018

The IEEE International Conference on Ubi-Media Computing, 2018

The International Conference on Information Technology (InCIT), 2017

## Selected Research Grants

NRCT, “Policy communication and the development of public relations and information systems”, Oct 2019 – Sept 2020, 2,600,000 Baht

## Doctoral Student Supervision

### Name

Kanrawi Kitkhachonkunlaphat

### Year Graduated, University

Current Student, Mahidol University

## Publication Statistics

Conference Papers: 7

Workshop Papers: 1

Citations: Google Scholar: 22 with h-index of 2

Scopus: 15 (excluding self-citations) with h-index of 2

## Selected Publications

- Mitpanont, J., **Sawangphol, W.**, Rounsuriyaviboon, J., Sathapornwatanakul, T., Pillavas, T., Sangaroonsilp, P., & Haga, J. H. (2018). MedThaiSAGE: Decision Support System to Suggest Healthcare Policies using Rule Findings Technique. Paper presented at the 15th International Joint Conference on Computer Science and Software Engineering (JCSSE2018), Nakhon Pathom, Thailand.
- Mitpanont, J., **Sawangphol, W.**, Chankong, C., Jitsuphap, A., & Wongkhumsin, N. (2018). I WISH: Integrated Well-Being IoT System for Healthiness. Paper presented at the 15th International Joint Conference on Computer Science and Software Engineering (JCSSE2018), Nakhon Pathom, Thailand.
- Mitpanont, J., **Sawangphol, W.**, Vithantirawat, T., Paengkaew, S., & Suwannasing, P. (2018). K4ThaiHealth: A Prototype for Thai Routine Medical Research Knowledge Extraction & Sharing. Paper presented at The Seventh ICT International Student Project Conference (ICT-ISPC 2018), Nakhon Pathom, Thailand.
- Mitpanont, J., Rounsuriyaviboon, J., Sathapornwatanakul, T., **Sawangphol, W.**, Kobayashi, D., & Haga, J. H. (2017). Extending MedThaiVis-Thai Medical Research Visualization to SAGE2 Display Walls. Paper presented at the 2nd International Conference on Information Technology (InCIT2017), Nakhon Pathom, Thailand.
- Mitpanont, J., **Sawangphol, W.**, Vithantirawat, T., Paengkaew, S., Suwannasing, P., Daramas, A., & Chen, Y.-C. (2017). A Study on Using Python vs Weka on Dialysis Data Analysis. Paper presented at the 2nd International Conference on Information Technology (InCIT2017), Nakhon Pathom, Thailand.
- **Sawangphol, W.**, Li, Y.-F., and Tack, G. (2016), CP4DL: Constraint-based Reasoning for Expressive Description Logics. In The fifteenth International Workshop on Constraint Modelling and Reformulation (ModRef 2016), Toulouse, France.
- Kang, Y.-B., Pan, J. Z., Krishnaswamy, S., **Sawangphol, W.**, & Li, Y.-F. (2014). How Long Will It Take? Accurate Prediction of Ontology Reasoning Performance. Paper presented at the AAI-14, Québec, Canada.