

# Preecha Tangworakitthaworn

## Address

Faculty of ICT  
Mahidol University  
999 Puttamonthon Rd. Salaya  
Nakhon Pathom 73170  
Thailand

Tel: +66 2 441 0909  
Fax: +66 2 849 6099  
Email: preecha.tan@mahidol.ac.th

## Research Interests

Technology Enhanced Learning, ELearning System Engineering, Database and Knowledge-based System, Conceptual Modeling and Conceptual Reasoning

## Professional Experience

Lecturer, Faculty of ICT, Mahidol University, Thailand, since 2014

Deputy Dean for Academic Administration, Faculty of ICT, Mahidol University, Thailand, 2015-2016

## Education

Doctor of Philosophy in Computer Science,  
School of Electronics and Computer Science (ECS), University of Southampton, United Kingdom, November 2014

Master of Computer Science, Department of Computer Science,  
Faculty of Science, Mahidol University, 2006

Bachelor of Computer Science, Department of Computer Science,  
Faculty of Science, Mahidol University, 1998

## Selected Research Grants

New Research Grant from Mahidol University for Fiscal Year of 2017

- *Funding agency:* Mahidol University
- *Project name:* iSense-Conception: An Exploratory Case of Using Conceptual Reasoning in Performing Self-Regulated Learning
- *Dates:* 1 July 2017 – 31 March 2019
- *Amount:* 200,000 THB

Higher Education Grant from NSTDA, 2010-2014

- *Funding agency:* National Science and Technology Development Agency (NSTDA)
- *Date:* October 2010 – September 2014
- *Amount:* £85,000 GBP

## Selected Professional Service

Reviewer

- Journal of Information Science and Technology (JIST)

- International Joint Conference on Computer Science and Software Engineering (JCSSE)
- International Computer Science and Engineering Conference (ICSEC)
- International Conference on Information and Communication Technology (IcoICT)
- International Conference on Information Technology (InCIT)
- International Conference on Business and Industrial Research (ICBIR)
- ICT International Student Project Conference (ISPC)

## Publication Statistics

Journal Articles: 2

Conference Papers: 11

Citations: Google Scholar: 19 with h-index of 3

Scopus: 10 (excluding self-citations) with h-index of 2

## Selected Publications

- **Tangworakitthaworn P**, Gilbert L, and Maneerattanasak U. A Study of Students' Conception of Problem Situations: Using Conceptualization in Scenario-Based Learning. The 17th International Conference on Web-Based Learning 2018 (ICWL2018); 2018 August 22-24; Chiang Mai, Thailand; 2018.
- **Tangworakitthaworn P**, Tengchaisri V, Rungsuptaweekoon K, and Samakit T. A Game-Based Learning System for Plant Monitoring Based on IoT Technology. The 15th International Joint Conference on Computer Science and Software Engineering (JCSSE2018); 2018 July 11-13; Nakhon Pathom, Thailand; 2018.
- **Tangworakitthaworn P.**, Towards a Conceptual Reasoning in Performing Pedagogical Activities for STEM disciplines. The 21st International Computer Science and Engineering Conference 2017 (ICSEC2017); 2017 November 15-18; Bangkok, Thailand; 2017.
- Chalermbuntai R, Kittipol R, Na Ranong, M, **Tangworakitthaworn P.**, The Design and Development of the Vocabulary Learning System for Second Language Learners using Word Association. Sixth ICT International Student Project Conference (ICT-ISPC); 2017 May 22-24; Nakhon Pathom, Thailand; 2017.
- Bubphasuwan N., Rattanachotparnich N., Kaewkum S., and **Tangworakitthaworn P.**, Serious Game Learning for Novice Practitioners in Psychomotor Domain, The Fifth ICT International Student Project Conference (ICT-ISPC 2016); May 2016; Nakhon Pathom, Thailand; 2016.
- Chanwijit J., Lomwongpaiboon W., Dowjam O., and **Tangworakitthaworn P.**, Decision Support System for Targeting Higher Education, The Fifth ICT International Student Project Conference (ICT-ISPC 2016); May 2016; Nakhon Pathom, Thailand; 2016.
- **Tangworakitthaworn, P.**, Gilbert, L., and Wills, G. (2015). Using Conceptualisation of Intended Learning Outcomes as Facilitators to Support Self-Regulated Learners in Indicating Learning Paths. *Journal of Computer Assisted Learning (JCAL)*, Vol.31 (No.5), 393-404.
- **Tangworakitthaworn, P.**, Gilbert, L., and Wills, G. (2013). ILO Diagram: A Conceptual Model for Curriculum Development. *IEEE Technology and Engineering Education (ITEE)*, Vol.8 (No.3), 12-19.
- **Tangworakitthaworn, P.**, Gilbert, L., and Wills, G. (2013). A Conceptual Model of Intended Learning Outcomes Supporting Curriculum Development. The 32nd International Conference on Conceptual Modelling (ER2013), 11-13 November 2013, Hong Kong, China.

- **Tangworakitthaworn, P.**, Gilbert, L., and Wills, G. (2013). Designing and Diagramming an Intended Learning Outcome Structure: A Case Study from the Instructors' Perspective. The 13th IEEE International Conference on Advanced Learning Technologies (ICALT2013), 15-18 July 2013, Beijing, China.
- **Tangworakitthaworn, P.**, Gilbert, L. and Wills, G. (2013). Facilitating Formative Assessment Through Learning Paths Extracted From a Logical Structure of Intended Learning Outcomes. International Computer Assisted Assessment Conference Research into E-Assessment (CAA2013), 9-10 July 2013, Southampton, UK.