

Thitivatr PatanasakPinyo

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Research Interests

- Human Computer Interaction (Design for Different Spatial Visualization)
- Model Checking
- Computational Theory (Computability and Reducibility)
- Database Systems

Professional Experience

- Lecturer, Faculty of ICT, since 2018.

Education

- PhD, Department of Computer Science, Iowa State University, Ames, Iowa, USA, December 2017.
- MS, Department of Computer Science, Iowa State University, Ames, Iowa, USA, May 2013.
- BS, Faculty of ICT, Mahidol University, Thailand, July 2010.

Selected Honors

- Member of IEEE-HKN (Eta Kappa Nu) Honor Society, Iowa State University, USA, since 2016.
- Teaching Excellence Award, Graduate College, Iowa State University, USA, 2015.
- Scholarship for Mahidol University Lecturer Development, Mahidol University, Thailand, 2013.
- Scholarship for Young ICT Instructor Development, Mahidol University, Thailand, 2010.
- Scholarship for Pursuing BS in Information and Communication Technology, Mahidol University, Thailand, 2006.
- Award for Academic Excellent for 12 consecutive years given by Her Royal Highness Princess Maha Chakri Sirindhorn, Chitralada School, Thailand, 1994-2005.

Selected Professional Service

- Organizing Committee, 15th International Joint Conference on Computer Science and Software Engineering (JCSSE2018), Nakhon Pathom, Thailand, July 11-13, 2018.
- Organizing Committee, 7th ICT International Student Project Conference (ICT-ISPC2018), Nakhon Pathom, Thailand, July 11-13, 2018..

- Reviewer, 15th International Joint Conference on Computer Science and Software Engineering (JCSSE2018), Nakhon Pathom, Thailand, July 11-13, 2018.
- Reviewer, 7th ICT International Student Project Conference (ICT-ISPC2018), Nakhon Pathom, Thailand, July 11-13, 2018.
- Session Chair, 8th International Conference on Computer, Electrical and Electronics Engineering & Technology (ICEEET 2018), Kyoto, Japan, April 17-18, 2018.

Selected Invited Talks and Keynote Addresses

- Keynote Speaker, 8th International Conference on Computer, Electrical and Electronics Engineering & Technology (ICEEET 2018), Kyoto, Japan, April 17-18, 2018.

Selected Publications (Full publication list: www.randycobra.com)

- **PatanasakPinyo, T.**, Batinov, G., Whitney, K., Sulaiman, A., Miller, L., *Enhanced Prediction Models for Predicting Spatial Visualization (VZ) in Address Verification Task*, Accepted by the 34th International Conference on Computers and Their Applications (CATA, Honolulu, Hawaii, March 18-20, 2019).
- **PatanasakPinyo, T.**, *Model Checking Approach for Deadlock Detection in an Operating System Process-Resource Graph Using Dynamic Model Generating and Computation Tree Logic*, Accepted by the 34th International Conference on Computers and Their Applications (CATA, Honolulu, Hawaii, March 18-20, 2019).
- **PatanasakPinyo, T.**, Batinov, G., Whitney, K., Sulaiman, A., Miller, L., *Object-Indexing: A Solution to Grant Accessibility to a Traditional Raster Map in Location-Based Application to Accomplish a Location-Based Task*, Proceedings of the 8th International Conference on Computer, Electrical, and Electronics Engineering and Technology (ICEEET 2018, Kyoto, Japan, April 17-18, 2018), pp. 126-131.
- **PatanasakPinyo, T.**, Batinov, G., Whitney, K., Sulaiman, A., Miller, L., Gilbert, S., *Extracting Useful Features for Users with Different levels of Spatial Visualization*, Proceedings of the 33rd International Conference on Computers and Their Applications (CATA 2018, Las Vegas, Nevada, March 19-21, 2018), pp. 86-91.
- **PatanasakPinyo, T.**, Batinov, G., Whitney, K., Miller, L., *Adaptive Location-based Software to Various Users with Different Spatial Visualization*, Computer Science Graduate Student Organization: Poster Presentation, Atanasoff Hall, Iowa State University, February 23, 2017.
- **PatanasakPinyo, T.**, Batinov, G., Whitney, K., Miller, L., *Methods that Flatten the User Space for Individual Differences in Location-based Surveys on Portable Devices*, The 31st International Conference on Computers and their Applications (CATA 2016, Las Vegas, Nevada, April 4-6, 2016).
- Batinov, G., Rusch, M., Meng, T., Whitney, K., **PatanasakPinyo, T.**, Miller, L., Nusser, S., *Understanding Map Operations in Location-based Surveys*, The Eighth International Conference on Advances in Computer-Human Interactions (ACHI 2015, Lisbon, Portugal, February 22-27, 2015), pp. 144-149.