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## Education

- 1996 DOCTOR OF PHILOSOPHY, INFORMATION SCIENCE, THE UNIVERSITY OF PITTSBURGH, UNITED STATES
- 1991 MASTER OF SCIENCE, COMPUTER SCIENCE, THE PENNSYLVANIA STATE UNIVERSITY, UNITED STATES
- 1989 BACHELOR OF STATISTICS (FIRST CLASS HONORS), ELECTRONIC DATA PROCESSING, CHULALONGKORN UNIVERSITY, THAILAND

## Publications

### Peer-Reviewed Journal Articles

"Building trust of Blockchain-based Internet-of-Thing services using public key infrastructure", *Enterprise Information Systems*, 16(12) : 2037-2062, Dec.2022, (Viriyasitavat, W., Xu, L.D., Sapsomboon, A., Dhiman, G., Hoonsoon, D.).

"Service Workflow: State-of-the-Art and Future Trends", *IEEE Transactions on Services Computing*, 16(1, 01) : 757 - 772, Oct.2021, (Viriyasitavat, W., Xu, L.D., Dhiman, G., Sapsomboon, A., Pungpapong, V., Bi, Z.).

"Blockchain-Based Business Process Management (BPM) Framework for Service Composition in Industry 4.0", *Journal of Intelligent Manufacturing*, 31(7) : 1737-1748, Oct.2020, (Viriyasitavat, W., Xu, L., Bi, Z.M., Sapsomboon, A.).

"New blockchain-based architecture for service interoperations in internet of things", *IEEE Transactions on Computational Social Systems*, 6(4) : 739-748, Aug.2019, (Viriyasitavat, W., Da Xu, L., Bi, Z., Sapsomboon, A.).

"Blockchain-based business process management (BPM) framework for service composition in industry 4.0", *Journal of Intelligent Manufacturing*, published online : Springer, May.2018-May.2018, (Viriyasitavat, W., Xu, L.D., Bi, Z., Sapsomboon A.).

"Extension of specification language for soundness and completeness of service workflow", *Enterprise Information Systems*, 12(5) : 638-657, Jan.2018-Jan.2018, (Viriyasitavat, W., Xu, L.D., Bi, Z., Sapsomboon, A.).

"A Comparison of the Efficiency of Applying Association Rule Discovery on Software Archive using Support – Confidence Model and Support – New Confidence Model",

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## Publications

*International Journal of Machine Learning and Computing*, 2(4) : 517-520, Aug.2012, (Pitakchonlasup, S., Sapsomboon, A.).

"A Comparison of Efficiency of Internet Banner's Presentation Styles and Formats of Hosting Pages (in Thai)", *Chulalongkorn Business Review*, 29(112) : 18-32, Jan.2007, (Tangmanee, C., Sapsomboon, A.).

### Peer-Reviewed Academic/Professional Meeting Proceedings

"Applying Term Co-occurrence in Automatic Query Expansion with Hierarchical Clustering in Information Retrieval for Thai Language"International Symposium on Information Science and Information Management (IS&IM2013), Landmark Hotel, Bangkok Nov.2013, (Kulpradit, P., Sapsomboon, A.).

"An Experimental Comparison of Software Reading Techniques of Object Oriented Design Document Inspection."Proceeding of 4th International Joint Conference in Computer Science and software Engineers (JCSSE 2007), Khon Kaen, Thailand May.2008, (Ninava, U., Sapsomboon, A.).

### Research Grants

"The Business Visualization Project", Jun.2015-Jun.2019, (Tanlamai, U., Ruenrom, R., Sapsomboon, A., Wattanasupachoke, T., Unahanandh, S., Chompukum, P., Tangmanee, C., Rattanawicha, P., Mongkolnavin, J., Jaikengkit, A., Patrakosol, B., Assarut, N., Chantatub, C., Suppakitjarak, N., Audsabumrungrat, J., Tepalagul, N.).

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## Book

### Textbook

"Object-oriented Analysis and Design",2ndEdition, KTP,2014, (Sapsomboon, A.).

"Object-oriented Analysis and Design",2011, (Sapsomboon, A.).

### Textbook Chapters

"Information Architecture",Sukhothai Thammathirat Open University,2017, (Puttapithakporn, S., Sapsomboon, A.).

"Information Retrieval System Techniques in Digital Era",Sukhothai Thammathirat Open Univeristy,2017, (Komalayut, S., Sapsomboon, A.).