Songsri Tangsripairoj

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Thailand

Research Interests

Database Systems, Data Warehousing, Data Mining, Software Engineering, Technology Enhanced Learning

Professional Experience

Assistant Professor, since September 2014
Deputy Dean for Research and Academic Service, 2010 – 2018
Assistant Dean for Academic Administration, 2009 - 2010
Faculty of ICT

Instructor, Department of Computer Science, Faculty of Science, 1995 - 2009

Computer Staff, Computing Center, 1994 – 1995

Mahidol University, Thailand

Education

Doctor of Philosophy in Computer Science
Oklahoma State University, USA, 2004

Master of Science in Computer Science
Faculty of Science, Mahidol University, Thailand, 1996

Bachelor of Science in Computer Science
Faculty of Science and Technology, Thammasat University, Thailand, 1994

Selected Honors

Best paper award, *The 2013 Second ICT International Student Project Conference (ICT-ISPC2013)*.

2nd Prize award, Software Innovation Contest in the category of ICT Applications, *The 2013 Second ICT International Student Project Conference (ICT-ISPC2013)*.

Best paper award, *The 8th World Multi-Conference on Systemics, Cybernetics, and Informatics (SCI 2004)*.

Selected Professional Service

Associate Regional Contest Director, *The ACM-ICPC Asia Nakhon Pathom Reginal Contest*, 2017 – 2018.

Associate Contest Director, *The ACM-ICPC Thailand National First Round On-line and On-site Contest*, 2015.

Associate Contest Director, *The ACM-ICPC Thailand Central Group B Programming Contest*, 2012 – 2014 and 2016.

Steering Committee, *The International Joint Conference on Computer Science and Software Engineering*, 2010 – 2018.

Steering Committee and Technical Program Committee, *The ICT International Student Project Conference*, 2012 – 2018.

Technical Program Committee, *The 9th National Conference on Information Technology (NCIT2017) and the 2nd International Conference on Information Technology (InCIT2017),* 2017.

Editorial Board, *The Journal of Information Science and Technology (JIST)*, 2017 – present.

Examination Evaluation Committee, Bachelor of Business Administration (Computer Business), School of Business, University of the Thai Chamber of Commerce, 2012 – 2020.

Mahidol University EdPEx Assessor, 2014 – 2015.

Mahidol University Quality Development Assessor, 2011 – 2013.

Master Student Supervision

Name	Year Graduated, University
Sukanya Suwisuthikasem	2007, Mahidol University
Suwichai gulthammanusorn	2008, Mahidol University
Pornsuk Saising	2008, Mahidol University
Somjai Samoemuan	2009, Mahidol University
Usanee Sripirom	2010, Mahidol University
Ravadee Buathong	2011, Mahidol University
Premmanat Natseevatana	2015, Mahidol University
Ekkarad Yongsittiwat	2015, Mahidol University

Publication Statistics
Monographs: -
Journal Articles: 1
Conference Papers: 29
Book Chapters: -
Workshop Papers: -
Edited Volumes: -
Citations: Google Scholar: 105 with h-index of 6
                Scopus: 18 with h-index of 5 (2016-2021)
                (data as of Mar 17, 2022)

Selected Publications

Songsri Tangsripairoj, Pattaphon Sutanaphanit, Siraphob Treenitikul, Watcharawit Wongaod, Kreangkrai Maneeintr, "Stockify: A Web Application of Fundamental Stock Analysis for New Investors", *Proceedings of the 2020 5th International Conference on Information Technology (InCIT2020)*, Chonburi, Thailand, 21-22 October 2020.

Songsri Tangsripairoj, Nonthpat Wongkham, Bongkotmanee Leelalerkiat, Sarun Chuenpukdi, "WhatTheHealth: An Android Application for Consumers of Healthy Food", *Proceedings of the 2019 16th International Joint Conference on Computer Science and Software Engineering (JCSSE2019)*, Chonburi, Thailand, July 10-12, 2019.

Songsri Tangsripairoj, Mathawee Sukkhet, Jidapa Sumanotham, Benya Yusuk, "Kiddy Manner: A Game-Based Mobile Application for Children Learning Thai Social Etiquette", *Proceedings of the 2019 16th International Joint Conference on Computer Science and Software Engineering (JCSSE2019)*, Chonburi, Thailand, July 10-12, 2019.

Songsri Tangsripairoj and Premmanat Natseevatana, "A Business Intelligence System for Radio Communication Licensing: A Case Study of The National Broadcasting and Telecommunications Commission of Thailand", *Proceedings of the 2018 15th International Joint Conference on Computer Science and Software Engineering (JCSSE2018)*, Nakhon Pathom, Thailand, pp 1-6, July 11-13, 2018.

Songsri Tangsripairoj, Kwanchanok Khongson, Pitchapa Puangnak, Yada Boonserm, "SkinProf: An Android Application for Smart Cosmetic and Skincare Users", *Proceedings of the 2018 15th International Joint Conference on Computer Science and Software Engineering (JCSSE2018)*, Nakhon Pathom, Thailand, pp 1-6, July 11-13, 2018.

Songsri Tangsripairoj, Parit Kittirattanaviwat, Kamonwan Koophiran, Lalita Raksaithong, 'Bokk Meow: A Mobile Application for Finding and Tracking Pets", *Proceedings of the 2018 15th International Joint Conference on Computer Science and Software Engineering (JCSSE2018)*, Nakhon Pathom, Thailand, pp 1-6, July 11-13, 2018.

Varisara Kongvitayanont, Pattraporn Pipitrat, Kwansajee Sathong, Songsri Tangsripairoj, "Bloody buddy: A biology game-based learning application", *Proceedings of the 201 7 Sixth ICT International Student Project Conference (ICT-ISPC2017),* Skudai, Malaysia, pp 1-4, May 23-24, 2017.

Phukkhapan Ghoshachandra, Chanathip Limkriengkrai, Pattarapong Wimonsakcharoen, Songsri Tangsripairoj, "oHealth: A self-care android application for senior citizens with hypertension", *Proceedings of the 201 7 Sixth ICT International Student Project Conference (ICT-ISPC2017),* Skudai, Malaysia, pp 1-5, May 23-24, 2017.

Natnicha Suthumchai, Sirin Thongsukh, Pacharamai Yusuksataporn, and Songsri Tangsripairoj, "FoodForCare: An Android Application for Self-Care with Healthy Food", *Proceedings of the 2016 Fifth ICT International Student Project Conference (ICT-ISPC2016)*, Nakhon Pathom, Thailand, pp 89 - 92, May 27-28, 2016.

Thoniwut Rapeepisarn, Supasin Tatiyanupanwong, Bussarakam Kornvisitvatin, and Songsri Tangsripairoj, "iRelief: An Android Application for Smartphone Syndrome Prevention and Treatment", *Proceedings of the 2016 Fifth ICT International Student Project Conference (ICT-ISPC2016)*, Nakhon Pathom, Thailand, pp 121 - 124, May 27-28, 2016.

Songsri Tangsripairoj, Praphan Rattanasomchok, and Marwin Areechalerm, "Medcare: A Mobile Application for Self-Care and Self-Medication", *Proceedings of the 2015 Forth ICT International Student Project Conference (ICT-ISPC2015)*, Tokyo, Japan, May 23-24, 2015.

Myat Su Yin, Songsri Tangsripairoj, and Benjarath Pupacdi, "Variable Length Motif-Based Time Series Classification", *Proceedings of the 10th International Conference on Computing and Information Technology (IC2IT 2014)*, Phuket, Thailand, pp 73-82, May 8-9, 2014.

Panawut Poungsil, Chaiyot Thaweethamwitthaya, Penpilas Wichaisutthikul, and Songsri Tangsripairoj, "ReLife: A Mobile Application for Lifelong Learning and Self-Renovation", *Proceedings of the 2013 Second ICT International Student Project Conference (ICT-ISPC2013)*, Nakhon Pathom, Thailand, pp 126-129, Mar 28-29, 2013. (this paper was selected as the best paper in the category of Mobile Applications.)

Nutthapat Chuenjit, Vitthawat Sajjcharoenpong, Posawat Sutthienkul, and Songsri Tangsripairoj, "Websualize: Web Application for Interactive Information Visualization", *Proceedings of the 2012 First ICT International Senior Project Conference (ISPC 2012) and IEEE Thailand Senior Project Contest*, Nakhon Pathom, Thailand, April 20, 2012.

Kirati Viboonkarn, Panpiti Thaikam, Komkrit Yenpinyo, and Songsri Tangsripairoj, "ComFusion: Education-Based Social Game for ICT Education", *Proceedings of the 2012 First ICT International Senior Project Conference (ISPC 2012) and IEEE Thailand Senior Project Contest*, Nakhon Pathom, Thailand, April 20, 2012.

Songsri Tangsripairoj and Usanee Sripirom, "Mining Social Networks of Thai Researchers in IT-Related Areas", *Proceedings of the 2011 Eighth International Joint Conference on Computer Science and Software Engineering (JCSSE 2011)*, Nakhon Pathom, Thailand, pp 379-384, May 11-13, 2011.

Somjai Samoemuan and Songsri Tangsripairoj, "An Analytical CRM System for VAT Refund for Tourists: A Case Study of the Revenue Department of Thailand", *Proceeding of the 7th International Joint Conference on Computer Science and Software Engineering (JCSSE 2010)*, Vol.1, Bangkok, Thailand, pp 259-264, May 12-14, 2010.

Pornsuk Saising and Songsri Tangsripairoj, "The Development of a Data Mart System for Tax Collection Management of Large Business Taxpayers: A Case Study of the Revenue Department of Thailand", *Proceeding of the 6th International Joint Conference on Computer Science and Software Engineering (JCSSE 2009)*, Phuket, Thailand, pp 207-212, May 13-15, 2009.

Phanarut Srichetta and Songsri Tangsripairoj, "Social Network Analysis for Mining Potential Reusable Artifacts in UML Use Cases Collection", *Proceedings of PAKDD 2009 Thai Track Session (PAKDD-TT'09) In association with the 13th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2009)*, Bangkok, Thailand, pp 43-52, April 27-30, 2009.

ทรงศรี ตั้งศรีไพโรจน์ นาตพล แซ่แต้ พรรณระวี เวชสมุทรวารี และ วสันต์ ภัทรอธิคม, "โปรแกรมส่งเสริมการใช้น้ำมันอย่างชาญ ฉลาด", การประชุมวิชาการโครงงานอุตสาหกรรมและวิจัยสำหรับนักศึกษาปริญญาตรี ระดับชาติ ครั้งที่ 1 (IRPUSCON-01), กรุงเทพ, ประเทศไทย, หน้า 213-217, 27-29 มีนาคม 2552.

Sukanya Suwisuthikasem and Songsri Tangsripairoj, "E-Tax Invoice System using Web Services Technology: A Case Study of the Revenue Department of Thailand", *Proceedings of the 9th ACIS International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing (SNPD 2008)*, Phuket, Thailand, pp 937-942, August 6-8, 2008.

Phanarut Srichetta and Songsri Tangsripairoj, "Using Social Network Analysis to Better Understand the Dependencies in UML Use Cases Collection", *Proceedings of the 9th ACIS International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing (SNPD 2008)*, pp 428-433, August 6-8, 2008.

Phanarut Srichetta and Songsri Tangsripairoj, "A Survey of Mining Software Requirements and Design Reuse Repositories", *Proceedings of the 4th International Joint Conference on Computer Science and Software Engineering (JCSSE 2007)*, Khon Kean, Thailand, pp 317-320, May 2007.

Songsri Tangsripairoj and Mansur H. Samadzadeh, "Organizing and Visualizing Software Repositories Using the Growing Hierarchical Self-Organizing Map", The Journal of Information Science and Engineering (JISE 2006), 2006, Vol. 22, No 2, pp. 283-295.

Winai Wichaipanitch, Mansur H. Samadzadeh, and Songsri Tangsripairoj, "Development and Evaluation of a Slicing-Based C++ Debugger", *Proceedings of International Conference on Information Technology (ITCC 2005)*, pp 473-478, 2005.

Songsri Tangsripairoj and Mansur H. Samadzadeh, "Organizing and Visualizing Software Repositories Using the Growing Hierarchical Self-Organizing Map", *Proceedings of the 2005 ACM Symposium on Applied Computing (SAC 2005)*, pp 1539-1545, 2005.

Songsri Tangsripairoj and Mansur H. Samadzadeh, "Data Mining Techniques Applied to Throughout Reuse Based Software Development", *Proceedings of the 8th World Multi-Conference on Systemics, Cybernetics, and Informatics (SCI 2004)*, Orlando, Florida, July 18-21, 2004. (this paper was selected as the best paper of those presented in the session: Software Engineering I.)

Songsri Tangsripairoj and Mansur H. Samadzadeh, "Application of Self-Organizing Maps to Software Repositories", *Proceedings of The 2004 International Conference*

on Software Engineering Research and Practice (SERP 2004), Editors: Hamid R. Arabnia, and Hassan Reza, pp 741-747, part of *The 2004 International Multiconference in Computer Science and Computer Engineering (18 Joint International Conferences)*, Las Vegas, Nevada, June 21-24, 2004.

Songsri Tangsripairoj and Mansur H. Samadzadeh, "A Taxonomy of Data Mining Applications Supporting Software Reuse", *Advances in Soft Computing*, Edited by: Ajith Abraham, Katrin Franke, and Mario Koppen, Springer-Verlag, Heidelberg, Germany, pp: 303-312, 2003. (This is in fact the edited version of: *Proceedings of the Third International Conference on Intelligent Systems Design and Applications (ISDA 2003)*, Tulsa, Oklahoma, August 10-13, 2003.)

Songsri Tangsripairoj and Mansur H. Samadzadeh, "A Survey of Data Mining Technology Applied to Software Reuse", *Proceedings of The 2003 International Conference on Software Engineering Research and Practice (SERP 2003)*, Editors: Ban Al-Ani, H. R. Arabnia, and Youngsong Mun, pp 847-853, part of *The 2003 International Multiconference in Computer Science and Computer Engineering (15 Joint International Conferences)*, Las Vegas, Nevada, June 23-26, 2003.