Tinnakorn Phongthiya, Ph.D.

Department of Industrial Engineering, Faculty of Engineering, Chiang Mai University 239 Huay Kaew Road, Suthep, Muang, Chiang Mai, Thailand, 50200 E-mail: <u>tinnakorn@step.cmu.ac.th</u>

Educational Background

2016 - 2020	Ph.D. (Science, Technology, and Innovation Policy) , Alliance Manchester Business School, University of Manchester, Manchester, UK	
	<u>Topic</u> : Innovation Intermediaries for University-Industry R&D Collaboration: Case Studies of University Science Parks in Northern Thailand	
2015 – 2016	MSc. (Innovation Management and Entrepreneurship) , Alliance Manchester Business School, University of Manchester, Manchester, UK	
	<u>Topic</u> : Study on Successful University-SME-Science Park Collaboration: Case Study of Science and Technology Park (STeP), Chiang Mai, Thailand	
2008 – 2012	B.Eng. (Industrial Engineering) , Department of Industrial Engineering, Faculty of Engineering, Chiang Mai University, Chiang Mai, Thailand	
	<u>Topic</u> : Application of Simulation Technique in Outgoing Cars Analysis: Case Study of PPT Gas Station Gate, Chiang Mai University	

Academic PositionAug 2022 – PresentAssistant Professor, Department of Industrial Engineering, Faculty of
Engineering, Chiang Mai University, Chiang Mai, ThailandDec 2020 – Jul 2022Lecturer, Department of Industrial Engineering, Faculty of Engineering,

Professional Experience

Jan 2023 – Present	Assistant Director, Science and Technology Park (STeP), Chiang Mai University, Chiang Mai, Thailand
Jun – Dec 2022	General Manager , Science and Technology Park (STeP), Chiang Mai University, Chiang Mai, Thailand
May 2021 – May 2022	Project Manager , Science and Technology Park (STeP), Chiang Mai University, Chiang Mai, Thailand
Apr 2012 – Jun 2015	Production Engineer , Assembly Department, Toyota Motor Thailand, Ban Pho Plant, Chachoengsao, Thailand

Chiang Mai University, Chiang Mai, Thailand

Publications and Conferences

International Journals

- Phongthiya, T., Malik, K., Niesten, E., and Anantana, T. (2022) Innovation Intermediaries for University-Industry R&D Collaboration: Evidence from Science Parks in Thailand. *Journal of Technology Transfer*. 47(6), pp. 137-148.
- 2. Boonmee C., Kasemset, C. and **Phongthiya**, **T**. (2022) Layout design of outpatient department: simulation study and implementation. Logforum. 18(2), pp. 137-148.
- 3. Maka T., Kasemset, C. and **Phongthiya**, **T.** (2022) Intra-hospital patient transportation system planning using bi-level decision model. Logforum. 18(2), pp. 237-246.

International Conferences (In Proceedings)

- Mongkolkittaveepol, P., Phongthiya, T., Chawan, C. (2023) Improvement of spare parts warehouse management in selected garage. In Proceeding of the 8th International Conference on Business and Industrial Research (ICBIR) 2023. 18-19 May 2023. Bangkok, Thailand, pp. 436-441.
- Phongthiya, T., Boonmee, C. and Woschank, M. (2022) Selection of temperature screening methods for COVID-19 by Fuzzy TOPSIS technique. In Proceeding of the International Conference on Industrial Engineering and Operations Management (IEOM 2022). 7-10 March 2022. Istanbul, Turkey, pp. 4613-4624.
- Phongthiya, T., Kasemset, C., Muangsiri, T. and Chanchai, S. Warehouse layout design: Drinking water factory. In Proceeding of the International Conference on Industrial Engineering and Operations Management (IEOM 2022). 7-10 March 2022. Istanbul, Turkey, pp. 3827-3837.
- Phongthiya, T., Kasemset, C., Poomsuk, S., and Lertcharoenpaisan, W. (2021) Application of Simulation Technique in Improvement of Intra-Hospital Patient Transfer: Case Study of Provincial Hospital Center. *In Proceeding of the 2021 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM 2021)*. 13-16 December 2021. Singapore, pp. 314-318

National Journals

- 1. Tharakhum P., Kasemset, C., and **Phongthiya**, T. (2021) Applications of Bi-level Decisionmaking Technique to Manage Inventory and Transportation System: Case study of Wholesaler in Chiang Mai Province. *Thai Journal of Operations Research*. 9(2), 36-46. (In Thai)
- 2. Kasemset, C., **Phongthiya, T.,** and Laoprasert, P. (2014). Application of Simulation Technique in Out-going Cars Analysis: Case Study of PPT Gas Station Gate, Chiang Mai University. *Journal of Thai VMCL*, 7(1), pp.51-60. (In Thai)

National Conferences (In Proceeding)

1. **Phongthiya, T.** (2021) Impact of 'Proximity' on University-Industry Collaboration Projects in Universities in Northern Thailand. *In Proceeding of IE Network Conference* 2021, 5-7 May 2021, Songkhla, Thailand. pp. 980-986. (In Thai)

Conferences

 Phongthiya, T., Malik, K. and Niesten, E. (2020) Science Park Acting as Innovation Intermediaries for University-Industry R&D Collaboration: Evidence from Thailand. The 12th Samaggi Academic Conference and Careers Fair, 15-16 February 2020, London, UK Phongthiya, T., Malik, K. and Niesten, E. (2018) Science Park Acting as Innovation Intermediaries for University-Industry R&D Collaboration: Evidence from Thailand. The XVI Triple Helix Conference, 5-8 September 2018, Manchester, UK

Research Grants				
2023	Title of Research	Sustainable Transformation: How Innovation Intermediaries Facilitate Sustainable Innovation – Evidence from a Developing Countries		
	Status of Participants:	Project Leader		
	Source of Funding:	The Murata Science Foundation		
	Budget:	800,000 JPY		
	Time Duration:	1 October 2023 – 30 September 2024		
2022	Title of Research	Impact of Science Parks as Innovation Intermediaries on University-Industry R&D Collaboration: Evidence from Thailand		
	Status of Participants:	Project Leader		
	Source of Funding: Budget:	The National Research Council of Thailand (NRCT) 600,000 Thai Baht		
	Time Duration:	29 December 2022 – 28 December 2024		
2022	Title of Research	Impact of Contextual Factors on New Product Development Process in Large Company in Building-Material Sector in Thailand		
	Status of Participants:	Project Leader		
	Source of Funding:	Chiang Mai University		
	Budget:	100,000 Thai Baht		
	Time Duration:	1 July 2022 – 30 June 2023		

Awards/Scholarships/Honors

2023	Gear Award 2022: The Best Instructor's Evaluation Score as Evaluated by		
	Undergraduate Students, Department of Industrial Engineering, Faculty of		
	Engineering, Chiang Mai University, Thailand		
2022	The National Research Award with a Good Level of Dissertation by the National Research Council of Thailand (Topic: Innovation Intermediaries for University- Industry R&D Collaboration: Case Studies of University Science Parks in Northern Thailand		
2015 – 2020	Royal Thai Government Scholarship		
2012	Industrial Engineering with First-Class Honors; GPA: 3.79		
2011	First Place in Industrial Engineering Project Contest, the 8 th Michelin Talent Yod Nak Kid Programme		
2006-2012	One District One Scholarship (ODOS)		

Professional Activities

Journal Peer Reviewer	 Journal of Technology Transfer
	- Cleaner and Responsible Consumption