

## Asst. Prof. Dr. TIRAPHAP FAKTHONG



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Faculty of Economics, Thammasat University  
Thailand

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### EDUCATION BACKGROUND

Doctoral degree from University of Aberdeen, the United Kingdom  
Doctor of Philosophy in Economics (PhD), 2016 – 2020

Master's degree from Thammasat University, Thailand  
Master of Arts in Economics (M.A.), 2010 – 2012 English Program

Bachelor's degree from Chulalongkorn University, Thailand  
Bachelor of Economics (B.E.), 2004 – 2008

### FELLOWSHIPS

Thammasat University Scholarship, 2016 – 2019  
Kasikornbank PCL Scholarship, 2010 – 2012

### FIELDS OF INTEREST

Economic Modelling, Project Evaluation and Economic Feasibility,  
Quantitative Economics

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### WORK EXPERIENCE

**Organisation:** Thammasat University, Faculty of Economics  
**Dates:** From June 2013 *to the present* (Lecturer)  
**Position:** Director of the Centre for Big Data Development and Learning  
Development (2021 *to the present*)  
**Current Missions:** Data governance platform and Labour skill maps  
using Knowledge Graph (KG) algorithm software 2022 *to the present*

**Teaching:** Introductory Economics, Introductory and Advanced  
Econometrics, Project Evaluation, Microeconomics, Gender Economics

**Organisation:** International Labour Organization (ILO)  
**Dates:** From January to November 2013  
**Office:** Policy Integration Department (Geneva), Regional Economic  
and Social Analysis Unit of the ILO Regional Office for Asia and the  
Pacific (RESA) (Bangkok)  
**Position:** Economic consultant

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### INTERNSHIPS

With the Decent Work Technical Support Team for East and South-East  
Asia and the Pacific (DWT) and with the Regional Economic and Social  
Analysis Unit of the ILO Regional Office for Asia and the Pacific  
(RESA), International Labour Office (ILO) from June to December 2012.

**Tasks:** Preparing reports and dataset on inequality, employment, and  
wages in Asian countries; contributed to policy briefs and the Asia Pacific  
Labour Market Update; assisted in compiling data and carrying out labour  
market analysis in countries of this region.

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## SELECTED RESEARCH AND CONSULTANCY

1. [Head of Project] System Dynamics for Rubber Planning, Funded by Rubber Authority of Thailand, The Ministry of Agriculture and Cooperatives, 2024
2. [Head of Project] Project of Evaluation on Large-Scale Research and Innovation Year 2023 (Manpower Development Plan, Creating Researcher Career Path and Strengthening the Dignity of Personnel and Scientific Units Research and Innovation), Funded by Thailand Science Research and Innovation (TSRI), 2024
3. [Head of Project] GIS-based Early Warning System for the Thai agricultural products' price movement and volatility, Funded by Betimes Solutions Co., Ltd. and Office of Agricultural Economics, The Ministry of Agriculture and Cooperatives, 2023
4. [Head of Project] Social Impact Assessment and Social Return on Investment in Caregiver in Rural area in Thailand, Funded by RELEARNING Social Enterprise Co., Ltd., Sodsri-Saritwong Foundation (SSF) and Ramathibodi foundation, 2023
5. [Data Analyst] Social Monitoring with the Centre for SDG Research and Support: SDG Move, Funded by the Ministry of Social Development and Human Security, 2023
6. [Financial Analyst] Urban housing development for the Thai people with middle- and low-income project with National Housing Authority of Thai and Arsom Silp Institute of The Arts, Funded by the Thailand Research Fund (TRF), 2023
7. [Financial Analyst] Eco-friendly housing development for the Thai people with middle- and low-income in rural area project with National Housing Authority of Thai and Arsom Silp Institute of The Arts, Funded by the Thailand Research Fund (TRF), 2023
8. [Data Analyst] (Social Listening) Thai Public Broadcasting Service: 2022 Annual Organisation Evaluation, Funded by Thai Public Broadcasting Service (TPBS), 2023.
9. [Head of Project] Agent-Based Modelling for agricultural policy, Funded by Betimes Solutions Co., Ltd. and Office of Agricultural Economics, The Ministry of Agriculture and Cooperatives, 2022
10. [Head of Project] Economic Index Dashboard, Funded by Betimes Solutions Co., Ltd. and Trade Policy and Strategy Office, The Ministry of Commerce, 2022
11. [Data Analyst] Data Warehouse development for promoting international trade for SMEs, Funded by Betimes Solutions Co., Ltd. and Department of International Trade Promotion, Ministry of Commerce, Thailand 2022
12. [Head of Project] Social Impact Assessment for investment in health projects and medical students in rural area, Funded by RELEARNING Social Enterprise Co., Ltd., Sodsri-Saritwong Foundation (SSF) and Ramathibodi foundation, 2022

13. [Head of Project] Big data analytics using crop growth modelling and spatial income inequality in Thailand agricultural sector, Funded by Betimes Solutions Co., Ltd. and Office of Agricultural Economics, The Ministry of Agriculture and Cooperatives, 2022
14. [Head of Project] A study of sugarcane burning behaviour and willingness to pay for adopting less carbon-emitted harvester technology as a preventive measure of pm 2.5 emissions in Thailand, Funded by the Thailand Research Fund (TRF), 2022
15. [Economic Researcher] Intergeneration mobility in Thailand, Funded by Social Monitoring Project, Centre for Research on Inequality and Social Policy (CRISP), 2022
16. [Head of Project] Venerable children in Thailand, Funded by Social Monitoring Project, Centre for Research on Inequality and Social Policy (CRISP), 2021
17. [Economic Researcher] Trade Analytics (Big Data) for SMEs, Funded by Department of International Trade Promotion, Ministry of Commerce, Thailand 2021
18. [Head of Project] Elderly's Demand for work and workability determinants in Thailand, Funded by RELEARNING Social Enterprise Co., Ltd., and Sodsri-Saritwong Foundation (SSF) 2021
19. [Economic Researcher] Create and develop a fit-to-work Big Data prototype for elderly persons for local administrative organization, Funded by the National Research Council of Thailand 2020
20. [Economic Researcher] Skill evaluation and development plans for the working-age population in Thailand, Funded by The Equitable Education Fund (EEF) and World Bank. Partnered with Bank of Thailand, Institute for Continuing Education and Human Resource (ICEHR), Thammasat University and National Statistics Office (NSO) 2020 - 2023
21. [Head of Project] Bangkok Railway Station, Hua Lamphong, investment management, financial feasibility, Funded by Thailand Science Research and Innovation and partnered with State Railway of Thailand, 2020.
22. [Economic Researcher] Annual evaluation and monitoring of The Equitable Education Fund's Vocational Innovation Scholarships, Funded by The Equitable Education Fund (EEF), 2020.
23. [Head of Project] Financial feasibility report: Wellness Centre and International School for PHOENIX Property Development and Consultancy Co., Ltd., 2020
24. [Economic Researcher] ASEAN Talent Mobility (ATM), Funded by the National Science Technology and Innovation Policy Office, Ministry of Science and Technology of Thailand and the ASEAN Secretariat, 2015.
25. [Economic Researcher] Labour Shortages in Thai Manufacturing: Demand vs Supply, Funded by the Thailand Research Fund (TRF), 2015.
26. [Economic Researcher] Land-Use Planning in Buriram and Prachinburi provinces, Funded by the Treasury Department, Ministry of Finance of Thailand, 2015.
27. [Head of Project] Survey of Regulation and impact evaluation for skilled labour wages in the Thai public sector: The case of 6 ASEAN countries, Funded by the Office of the Civil Service Commission (OCSC), the Prime Minister's Office, 2015.
28. [Head of Project] Thai Public Broadcasting Service: 2014 Annual Organisation Evaluation, Funded by Thai Public Broadcasting Service (TPBS), 2015.

29. [Head of Project] Informal employment and inequalities assessment in Thailand, Funded by the Thai Health Promotion Foundation (THF), 2014-2015.
30. [Economic Researcher] Thailand's social welfare spending evaluation, Funded by the Ministry of Social Development and Human Security, 2014.
31. [Head of Project] Thai FDA's ASEAN Roadmap evaluation, Funded by Thailand Food and Drug Administration (FDA), 2014.
32. [Economic Researcher] Thai Iron and Steel industry's supply chain redesign, Funded by the Thailand Research Fund (TRF), 2014.
33. [Economic Researcher] ASEAN Disability-Inclusive Agribusiness, Funded by Asia-Pacific Development Centre on Disability (APCD), the Nippon Foundation (TNF), partnered with the United Nations' Food and Agriculture Organisation (FAO), 2013.
34. [Economic Researcher] Thai Automotive supply chain redesign, Funded by the Thailand Research Fund (TRF), 2013.

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## SELECTED PUBLICATIONS

### *Academic and Working Papers*

1. *Forecasting Thai Rubber Prices: A System Dynamics Approach to Economic and Policy Impacts* [Forthcoming publication]
2. *Forecasting Labor Demand and Supply in Thailand's Affluent, Medical, Wellness Tourism, and Comprehensive Healthcare Industries* [Forthcoming publication]
3. *Entrepreneurship and City Skill Diversity in Thailand* [Forthcoming publication]
4. With Loylom Prasertsri, Piyawong Punjatewakupt, Alongkorn Tanasritunyakul, Nondh Nuchmom, Krajangsri Srikrajang Phasomsap, Jeerayu Khowchernklang, Atiya Wongwat, and Pollawat Hounghai, *Addressing Pre-harvesting Sugarcane Burning in Thailand: A Quasi-experimental Study of Monetary Incentive Scheme*, Journal of Environmental Management, Vol. 378, 124780, 2025
5. With Pichitra Prapassornmanu, Piyawong Punjataewakupt, Atiya Wongwat, Krajangsri Srikrajang Phasomsap, and Jeerayu khowchernklang, *A Guideline for Transit Oriented Development: A Case Study of the Bangkok Railway Station*, Built Environment Inquiry, Vol. 21. No.21. 2022
6. With Pichitra Prapassornmanu, Piyawong Punjataewakupt, Atiya Wongwat, Krajangsri Srikrajang Phasomsap, and Jeerayu khowchernklang, *Financial Feasibility of the Investment Projects for the Conservation and Development of Bangkok Railway Station (Hua Lampong) Area*, Journal of Business, Economics and Communications, Vol. 18. No.2. 2023.
7. With Pichitra Prapassornmanu, Piyawong Punjataewakupt, Atiya Wongwat, Krajangsri Srikrajang Phasomsap, and Jeerayu khowchernklang, *Willingness to Pay and Area Zoning Plan for the Conservation and Development of Bangkok Railway Station (Hua Lamphong) Project using Discrete Choice Model*, Economics and Business Administration Journal, Vol. 14. No.3. 2022.

8. *Ethnic Diversity and Trust in The Workplace*, Thailand and the World Economy, Vol. 39, No.3, 57-82. 2021.
9. With Bank Ngamarunchote, Poramet Rangsipol, and Weerawat Phattarasukkomjorn, *Earned Income Tax Credit with Adequate Income as a benchmark for the Thai Informal Employed Labors*, Thailand and The World Economy, Vol. 36, No. 3, 2018.
10. With Chayanee Chawanote, Naphon Phumma, *Labour Shortages in Thai Manufacturing: Demand vs Supply*, Thailand and The World Economy, Vol. 34, No. 2, 2016.
11. With Kittipong Reunthip, Thailand's *Internal labour migration and its determinants: A decade of changes*, Thammasat, Faculty of Economics Working Paper, 2015.
12. With Sukti Dasgupta and Rutiya Bula-or, *Earnings differentials between formal and informal employment in Thailand*, ILO Asia-Pacific Working Paper Series, 2015.
13. With Decharut Sukkhamnerd and Johanne Hanko, *Evidence-based achievements of Persons with Disabilities in Agribusiness: Selected case studies in Southeast Asia*, The Nippon Foundation's working paper, 2014.
14. *Income Inequality and Growth under Thailand's Public Investment in Human Capital*, GSTF Business Review, Vol. 2 No. 1. 2012

#### *Books*

1. With Bank Ngamarunchote, Thailand's education system and income inequality (In the Thai), Thai Health Promotion Foundation, 2013.
2. With Sukti Dasgupta, and Rutiya Bula-or, Thailand – A Labour Market Profile, International Labour Organisation, 2013.

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### **SELECTED CONFERENCES & LECTURES**

1. Invited Speaker: Financial Feasibility of the investment projects for Bangkok Railway Station (Hua Lampong), at Thai PBS, 2021
2. Invited Speaker: MSDHS Training: Data storytelling and data visualisation, at Ministry of Social Development and Human Security, 2021
3. Invited Speaker: Project evaluation workshop at Faculty of Management Sciences, Kasetsart University Sriracha Campus, 2021.
4. Invited Speaker: Children in poverty during Covid-19 at the Journal Club by Think Change Learning Social Enterprise Co., Ltd., and Sodsri-Saritwong Foundation (SSF), 2020.
5. Do Employer Size-Wage Effects Exist in More Ethnically Diverse Workplaces? Presented at The Scottish Economics Society Annual Conference, Perth (UK), 2019, and at the 14th National Conference of Economist, Bangkok (Thailand), 2021.
6. Are Ethnically Diverse Workplaces More Authoritarian? Presented at The Scottish Economics Society Annual Conference, Perth (UK), 2019.
7. The Effects of Cultural and Educational Diversity on Wages in the US Labour Market presented at The Scottish Economics Society Annual Conference, Perth (UK), 2018.

8. Invited Speaker: Future ASEAN Labour Protection and Regulation with Thailand Development Research Institute (TDRI) at the Emerald Bangkok Hotel, 2015.
  9. Invited Speaker: Impacts of the Skilled labour wage in the Thai public sector in ASEAN countries – at College of Interdisciplinary Studies, Thammasat University, Lampang Campus, 2015.
  10. Invited Speaker: Thai Iron and Steel industry's supply chain redesign at the Grand Four Wings Convention Hotel in Bangkok Thailand, 2015.
  11. Invited Speaker: Thailand's national social welfare spending evaluation with the Ministry of Social Development and Human Security at The Prince Palace Hotel Bangkok, 2014.
  12. Convergence in Income and Economic Growth under Thailand's Public Investment in Human Capital presented at the Annual International Conference on Qualitative and Quantitative Economics Research, Global Science and Technology Forum (GSTF), Singapore, 2012.
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