SARUN KAMOLTHIP

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Education

Ph.D. in Economics, 2017
National Institute of Development Administration

M.A. in Economics, 2007
National Institute of Development Administration

B.Eng. (Mechanical Engineering), 2002
Kasetsart University

Current Position

Khon Kaen University, Faculty of Economics
2017--present   Lecturer

Academic Visit

University of Gothenburg, School of Business, Economics and Law
01/2016 – 06/2016   Visiting Ph.D. Student

Grants & Awards

2018 National Research Council of Thailand (NRCT) Award 2017 for the Best PhD Thesis

2016 SIDA-EFD Scholarship for Specialization PhD Courses in Global Change and

Climate Economics at University of Gothenburg, Sweden

2015 EEPSEA Doctoral Fieldwork Grant

Address

Khon Kaen University
Department of Economics
123 Mitrapaab Road,
Nai Mueang, Mueang District,
Khon Kaen, Thailand
40002

Research Interests

Machine Learning
Climate change
Urbanization

*I love R
I like Python
Coding is fun!*

Spatial data is very useful though

Published Article

1. "*Validity of Internet-based Stated Preference Data in Modeling Waterfall Recreation Site Choice.*" Kamolthip, S. & Seenprachawong, U., **Applied Economics Journal** (2016), Vol. 23(2): 48-74.

Research Report

1. "*Landowners' Preferences for a Payments for Environmental Services Program: a Case Study in East Thailand.*" Kamolthip, S. **EEPSEA Research Report**, Economy and Environment Program for Southeast Asia, Laguna, Philippines. 2016.

Working Papers

1. "*A Recreation Site Choice Model with On-Site Retrospective Trips Data: An Empirical Application to Central Thailand Waterfalls.*" Kamolthip, S. Working Paper. 2016.
2. "*Landowners' Preferences for a Payments for Ecosystem Services Program: A Case Study in East Thailand.*" Kamolthip, S. & Seenprachawong, U.. Working Paper. 2016.

Work In Progress

1. "*Predicting Rice Production in Thailand Under Future Climate Warming by Machine Learning and Farm-level Production Data.*" Kamolthip, S.
2. "*Heterogeneous Temperature Effects on Rice Yields: Evidence from Thailand.*" Kamolthip, S.
3. "*Big Data, Machine Learning, and GDP Prediction*" (with Thanakrit Sakulthai)
4. "*Detecting Money Laundering in Thai Stock Market using Network Analysis*" (with Karntima Pakmanang)
5. "*Applying Long Short-Term Memory to Forecast Gold Futures*" (with Benchaphan Chaikasemkul)
6. "*Enhance Portfolio with Long Short-Term Memory: A Case of Thailand Stock Market*" (with Thadthep Kerdsrithong)
7. "*Long Short-Term Memory and High Frequency Data: A Case of Flash Crash in Gold Futures*" (with Pongsutti Phuensane & Benchaphan Chaikasemkul)

8. "*Can Long Short-Term Memory be Applied to Forecast Bitcoin?*" (with Pohnnapa Buakharn)
9. "*Sentiment Analysis and Long Short-Term Memory: An Application to Stock Price Prediction*" (with Yotsapon Chanyawadee)
10. "*Influencers in Online Game Casting: An Application of Network Analysis*" (with Kanisorn Bhoothookngoen)

Conferences

1. A Community on Ecosystem Services (ACES) Conference, Jacksonville, Florida, USA. Paper titled "Landowners' Preferences for a Payments for Environmental Services Program: a Case Study in East Thailand"
2. The 10th International Conference on the Regional Innovation and Cooperation in Asia (RICA), Bangkok, Thailand. Paper titled "A Site Choice Model with Combined Interception and Panel Data: an Empirical Application to Waterfall Recreation in Thailand"
3. The EEPSEA Annual Conference, Ho Chi Minh City, Vietnam. Paper titled "Landowners' Preferences for the Design of Payment for Environmental Services (PES) Program: Case of Khao Yai and Thap Lan National Parks, Thailand"

Seminars & Workshops

1. International Training Course on "Adapting to Climate Change: Facing the Consequence", Faculty of Environment and Resource Studies, Mahidol University, Thailand. 2018. (Invited presentation)
2. Puey Ungphakorn Institute for Economic Research (PIER) Research Workshop, Khon Kaen, Thailand. 2018. (Invited presentation)
3. The Training on Economics of Climate Change Adaptation (organized by UNDP & USAID), Pathumthani, Thailand. 2017. (Participant)
4. The EEPSEA Training in Spatial Econometric Course, Ho Chi Minh City, Vietnam. 2016. (Participant)
5. The SIDA-Beijer Institute Valuing and Designing Payment for Ecosystem Services, Pre-Conference Workshop, Zurich, Switzerland. 2016. (Participant)
6. The 11th EEPSEA Regional Training Course in Environmental and Resource Economics, Philippines. 2015. (Participant)

7. The EEPSEA Course on Biodiversity Valuation and Payment for Ecosystem Services, Khao Yai National Park, Thailand. 2014. (Participant)

Other Professional Experience

2007--2015

Project Engineer (6 yrs) & Asst. Mgr. in Risk Management & Insurance (2 yrs)

at **SCG Chemicals Co., Ltd.** (Subsidiary of SCG)

Main Business: Petrochemicals

2004 – 2007

Reverse Engineer at **Chromalloy (Thailand) Co., Ltd.**

Main Business: Aircraft Repair Station

2002 – 2004

Production Engineer at **Nidec-Copal (Thailand) Co., Ltd.**

Main Business: Camera Components and Micro Motors