CURRICULUM VITAE

SARUN KAMOLTHIP

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Khon Kaen University
Department of Economics
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Mueang District, Khon Kaen, Thailand
40002

RESEARCH INTERESTS

Machine Learning in Economics,
Economics of climate change,
Urbanization,
Environmental valuations

TEACHING

Undergraduate level: Microeconomics
101, Special topics in Finance & Risk
Management, Research Methodology

RELEVANT SKILLS

Statistic software: Limdep, Stata
Data Analytics: R & Python
GIS: ArcGIS, R (GIS-related packages)

EDUCATION

Ph.D. in Economics / 2017
National Institute of Development Administration (Thailand)

M.A. in Economics / 2007
National Institute of Development Administration (Thailand)

B.Eng. (Mechanical Engineering) / 2002
Kasetsart University (Thailand)

ACADEMIC POSITION

2017 Lecturer, Department of Economics, Khon Kaen University

ACADEMIC VISIT

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

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

PUBLISHED ARTICLE

"Validity of Internet-based Stated Preference Data in Modeling Waterfall Recreation Site Choice" in Applied Economics Journal. Vol. 23 No. 2: 48-74. (2016) *(With Udomsak Seenprachawong)*

RESEARCH REPORT

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

UNPUBLISHED PAPERS

"A Recreation Site Choice Model with On-Site Retrospective Trips Data: An Empirical Application to Central Thailand Waterfalls" (2016)

"Landowners' Preferences for a Payments for Ecosystem Services Program: A Case Study in East Thailand" (2016) *(with Udomsak Seenprachawong)*

WORKING PAPERS

"Predicting Rice Production in Thailand Under Future Climate Warming by Machine Learning and Farm-level Production Data" (To be available soon!)

"Heterogeneous Temperature Effects on Rice Yields: Evidence from Thailand" (To be available soon!)

Papers Under Development

"Big Data, Machine Learning, and GDP Prediction" (Data preparation, *with Thanakrit Sakulthai)*

"Detecting Money Laundering in Thai Stock Market using Network Analysis" (Data preparation, *with Karntima Pakmanang)*

"Applying Long Short-Term Memory to Forecast Gold Futures" (Data preparation, *with Benchaphan Chaikasemkul)*

"Enhance Portfolio with Long Short-Term Memory: A Case of Thailand Stock Market" (Data preparation, *with Thadthep Kerdsrithong)*

"Long Short-Term Memory and High Frequency Data: A Case of Flash Crash in Gold Futures" (Data preparation , *with Pongsutti Phuensane & Benchaphan Chaikasemkul)*

"Can Long Short-Term Memory be Applied to Forecast Bitcoin?" (Data preparation, *with Pohnnapa Buakharn)*

"Sentiment Analysis and Long Short-Term Memory: An Application to Stock Price Prediction" (Data preparation, *with Yotsapon Chanyawadee)*

"Influencers in Online Game Casting: An Application of Network Analysis" (Data preparation, *with Kanisorn Bhoothookngoen)*

CONFERENCES

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"

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"

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

The Training on Economics of Climate Change Adaptation (organized by UNDP & USAID), Pathumthani, Thailand. 2017. (Participant)

The EEPSEA Training in Spatial Econometric Course, Ho Chi Minh City, Vietnam. 2016. (Participant)

The SIDA-Beijer Institute Valuing and Designing Payment for Ecosystem Services, Pre-Conference Workshop, Zurich, Switzerland. 2016. (Participant)

The 11th EEPSEA Regional Training Course in Environmental and Resource Economics, Philippines. 2015. (Participant)

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

NON-ACADEMIC EXPERIENCE

2007 – 2015 Project Engineer (6 years) & Asst. Mgr. in Risk Management & Insurance (2 years)
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