

CURRICULUM VITAE

Family Name : PUTTANAPONG

First name : Mr. Nattapong

Year of Birth : 1977

Nationality : Thai

Education : Ph.D. (Regional Science/Regional Economics) Summer 2008
Cornell University, Ithaca, New York, USA
(Royal Thai Government Scholarship)

M.S. (Regional Science/Regional Economics) Fall 2006
Cornell University, Ithaca, New York, USA
(Royal Thai Government Scholarship)

M.P.A.(Economic Policy) Spring 2003
Cornell University, Ithaca, New York, USA
(Royal Thai Government Scholarship)

B. Eng. (Telecommunications Engineering) 1999
King Mongkut's Institute of Technology Ladkrabang

Languages : Thai: Mother Tongue
English: Writing Reading Speaking
Excellent Excellent Excellent

Experience Record

Period of Assignment : September 2011 – Present
Employer : Faculty of Economics, Thammasat University, Bangkok, Thailand
Position/Title Held : (1) Assistant Professor (December 2015 – present)
(2) Lecturer (September 2011 – December 2015)
(3) Deputy Director of Bachelor of Economics, International Program (March 2012 – March 2014)
(4) Director of Research Committee (April 2014 – September 2014)
(5) Member, Research Committee (October 2014 – Present)

Period of Assignment : August 2014 – Present
Organization : The Economic Society of Thailand
Position/Title Held : Member, Executive Board

Period of Assignment : June 2016 – December 2016
Organization : Organisation for Economic Co-operation and Development (OECD)
Paris, France
Position/Title Held : Contracted Consultant
Job Description : -Constructed the Dynamic Computable General Equilibrium (DCGE)

model for analyzing economy-wide impacts of labor migrations.
 - Simulation results have been incorporated in the special report jointly published by OCED and ILO, publicly launched in December 2017. (http://www.ilo.org/asia/media-centre/news/WCMS_605676/lang-en/index.htm)

Period of Assignment : Summer 2006 – 2016
 Employer : Fiscal Policy Research Institute,
 Ministry of Finance, Bangkok, Thailand
 Position/Title Held : Economist
 Job Description : - Served as a project manager in the study project providing the economic model and policy framework for the food-fuel security section of NESDB's 11th National Economic and Social Development Plan (Fall 2009 – Summer 2010)
 - Construct the Computable General Equilibrium (CGE) model for analyzing economy-wide impacts of implementing government policies (e.g. government's subsidization, R&D and productivity improvement, household's debt resolution, free-trade agreements, tax incentive regimes, etc.) for various Ministries and government agencies (Summer 2006 – 2016)

Period of Assignment : November 2011–January 2013
 July 2015–October 2015
 October 2015 - May 2016
 Employer : Asian Development Bank
 Manila, The Philippines
 Position/Title Held : Contracted Consultant
 Job Description : - Constructed the Stochastic Financial Computable General Equilibrium model for analyzing region-wide impacts (on both international trade and capital flow) influenced by the regional cooperation scheme
 - Analyzing the impacts of Global Value Chain on Thai economy, especially on industrial competitiveness and labors' working conditions

Period of Assignment : April 2011–April 2012
 Employer : The World Bank, Bangkok, Thailand
 Position/Title Held : Contracted Consultant
 Job Description : - Constructed the Computable General Equilibrium (CGE) model for analyzing economy-wide impacts of implementing national productivity-improvement policies
 - Co-authoring the paper “Macro-Micro Simulations of Shared Growth Strategies in Thailand”

Period of Assignment : July 2008 –September 2011
 Employer : Office of Permanent Secretary,
 Ministry of Science and Technology, Bangkok, Thailand
 Position/Title Held : Policy Analyst
 Job Description : - Analyzed and evaluated policies regarding the national development of science and technology
 - An assistant to the Permanent Secretary (Dr.Pornchai Rujiprapa)

Period of Assignment : November 2008 – January 2009
 Employer : The Secretariat of the Cabinet, The Royal Thai Government
 Job Description : - A member of working staffs of the Deputy Prime Minister (Dr. Olarn Chaipravat)
 - Analyzed and collaborated in the formulations of national economic policies, e.g. the agricultural support policies, the unemployment relief program, the proposal of Asian International Fund establishment, the allocation of budget in the economic stimulus package
 - Drafted speeches and produced information sheets distributed to the press regarding policies and current economic conditions

Period of Assignment : Summer 2007
 Employer : Bank Indonesia, Jakarta, Indonesia
 Project Description : A Special Training on Computable General Equilibrium (CGE) Model
 Position/Title Held : Lecturer
 Job Description : - Gave a lecture series on the steps of constructing Financial CGE model to researchers of the central bank of Indonesia and staffs of Indonesia's Bureau of Statistics

Period of Assignment : Fall 2002 – Spring 2007
 Employer : Cornell University, NY, USA
 Position/Title Held : Teaching Assistant
 Job Description : - Collaborated with professors in preparing class materials, grading exams and assignments for classes in graduate level
 - Administrated class registration and maintained courses' website
 - Held weekly office hours to help students who had difficulties in understanding topics discussed in lectures

Spring 2003-2007:
 NBA 524: Macroeconomics and International Trade
 NBA 595: Economics of Financial Crises
 (Classes for MBA students offered by Johnson Graduate School of Management)

Fall 2003:
 CRP 395/639: Regional Economic Impact Analysis
 (A class offered by Department of City and Regional Planning)

Fall 2002:
 CRP 538: Quantitative Methods for Policy Planning
 (A class offered by Department of City and Regional Planning)

Period of Assignment : Summer 2005
 Employer : Chula Research Institute (Chula Unisearch),
 Chulalongkorn University, Bangkok, Thailand
 Project Description : Privatization and Business Plan for Provincial Electricity Authority of Thailand
 Position/Title Held : Economist
 Job Description : - Estimated the social and private costs/benefits of privatizing the Provincial Electricity Authority (PEA)

- Formulated the financial model for evaluating the financial/operational viability of PEA after privatization
- Examined the possibility of establishing new PEA's subsidiary companies by spinning off its non-core operation units

Period of Assignment : Summer 2002
Employer : Technology and Trade Division,
Economics and Social Committee for Asian and the Pacific(ESCAP),
The United Nations (UN)
Project Description : Feasibility Study on Bridging the Digital Divide and Strategies for
Asian Countries and Pacific Islands on ICT Development
Position/Title Held : Intern (Junior Economist)
Job Description : - Conducted a research on the connection between the telecommunication
market liberalization and tele-density in the rural areas in 35 countries

Period of Assignment : 1999-2000
Employer : The Industrial Finance Corporation of Thailand (IFCT)
Position/Title Held : Technical Analyst
Job Description : -Conducted the feasibility studies of industrial projects ranging from
US\$5 millions to US\$10 millions
-Supervised projects in timber, plastic, furniture, hotel, fishery and
power industries
-Collaborated in debt restructuring dues as the plant and production
analyst

Honors/Awards

Position/Title Held : Fellow, The Royal Thai Government Scholarship
Date : 2001-2007
Description : - The national academic award providing the full financial support in
graduate studies

Position/Title Held : Fellow, Cornell Graduate School and Cornell's Mario Einaudi Center
for International Studies
Date : Summer 2006 and 2007
- A recipient of Einaudi research grant financially supporting the study
of "the Impacts of Oil Shock on Asian Countries" (2006) and the
research titled "Impacts of Aggregate Supply and Aggregate Demand
Policies on East-Asia Countries" (2007)

Position/Title Held : Tokai University Academic Exchange Program
Date : Summer 1998
Description : - Selected by faculty committee as one of school's representatives
(selected 8 out of 601 students) to conduct a research in Optical
Surface Mount Technology at the Opto Laboratory, Tokai University,
Japan

Position/Title Held : National Rank in National Pre-Test of High School Entrance
Examination
Date : 1992

Description : - Scholastically ranked as 1st out of 706 students in Nonthaburi province
3rd out of 3,008 students in the central region
50th out of 12,344 students in Thailand

Guest Speaker and Resource Person

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| Conference/Event | : | UN-ESCAP's Symposium on Preferential Trade Agreements and Inclusive Trade |
| Date | : | December 14-15, 2017 |
| Venue | : | Novotel Bangkok Ploenchit Sukhumvit, Bangkok, Thailand |
| Conference/Event | : | OECD, ILO and EC's Launch of the report 'How immigrants contribute to Thailand's Economy' |
| Date | : | November 19, 2017 |
| Venue | : | VIE Hotel Bangkok, Thailand |
| Conference/Event | : | ADB's Emerging Carbon Market Mechanisms: A Regional Workshop for Capacity Development |
| Date | : | August 22 -23, 2017 |
| Venue | : | Hilton Hanoi Opera, Hanoi, Viet Nam |
| Conference/Event | : | The Workshop on Key Indicators for Asia and the Pacific 2017 |
| Date | : | January 8 -10, 2017 |
| Venue | : | ADB Headquarters Manila, The Philippines |
| Conference/Event | : | The APEC's Workshop on "Working towards the APEC TiVA database: building a strategic framework and action plan for the Measurement of APEC TIVA under GVCs" |
| Date | : | October 17-21, 2016 |
| Venue | : | Bangkok, Thailand |
| Conference/Event | : | ADB's Workshop on "Updating and Constructing the Supply and Use Table for Selected Developing Member Economies" |
| Date | : | June 27 - July 1, 2016 |
| Venue | : | Bangkok, Thailand |
| Conference/Event | : | The Brain Storming Workshop on "Future of Asian Cities: Geography of Jobs" |
| Date | : | April 21-22, 2016 |
| Venue | : | ADB Headquarters, Manila, The Philippines |
| Conference/Event | : | The Inception Workshop on "Achieving Skills Mobility in ASEAN under the AEC" |
| Date | : | February 11-12, 2016 |
| Venue | : | ADB Headquarters, Manila, The Philippines |
| Conference/Event | : | The Workshop on "Labor Markets in Asia: How Trade, Technology, and Regulations are Shaping Asia's Quest for Good Jobs" |
| Date | : | January 13-15 , 2016 |
| Venue | : | ADB Headquarters, Manila, The Philippines |

Publications and Conferences

Puttanapong, N. (2018) 'The Network Analysis of Interlocking Directors: The Case of Thailand's Listed Companies', *24th Eurasia Business and Economics Society Conference Proceedings*, Vol.1 ,pp 329-362

Puttanapong, N. (2018) The Analysis of Thailand's Embodied Natural Resources in International Trade (การวิเคราะห์การใช้ทรัพยากรของภาคการผลิตไทยที่ส่งต่อไปยังห่วงโซ่อุปทานการผลิตโลก), *The 40th Annual Symposium, Faculty of Economics, Thammasat University*

Laohasiriwong, W., Puttanapong, N, and Singsalasang, A. (2018) 'A Comparison of Hotspot Clustering Detection in Spatial Analysis Techniques of Hypertension Prevalence in Thailand'(forthcoming *GeoSpatial Health*)

Laohasiriwong, W., Puttanapong, N, and Luenam, A. (2017) 'A comparison of spatial heterogeneity with local cluster detection methods for chronic respiratory diseases in Thailand' *F1000 Research* 6:1819

Singsalasang, A., Laohasiriwong, W., Puttanapong, Phajan, T. and Boonyaleephan, S. (2017). 'Socioeconomic disparities in income, education and geographic location for hypertension among Thai adults: Results from the National Socioeconomic Survey' *F1000 Research* 6:1836

Luenam, A., Laohasiriwong, W., Puttanapong, N., Saengsuwan, J. and Phajan, T.(2017) 'Socioeconomic Disparities and Chronic Respiratory Diseases in Thailand: The National Socioeconomics Survey' (forthcoming *Informatics for Health and Social Care*)

Suwannaphant, K., Laohasiriwong, W., Puttanapong, N., Saengsuwan, J. and Phajan, T.(2017) 'Association between Socioeconomic Status and Diabetes Mellitus: The National Socioeconomics Survey, 2010 and 2012' *Journal of Clinical and Diagnostic Research*, Vol.11(18), pp. 18-22

Puttanapong N., Chitdecha, J., and Pitakkochakorn,N. (2017) 'Examining the Geographical Spillover of Industrial and Commercial Activities on Residential Expansion in Thailand: An Application of Spatial Econometrics and Satellite Data' *Japan Association for Applied Economics - Spring Conference 2017,Kurume University, Fukuoka , Japan*

จิรายุ สัจจาพันธ์, ณัฐพงษ์ พัฒนพงษ์, ชณกช ชลธิภณญ (2017) ผลกระทบของอุตสาหกรรมยานยนต์ต่อโครงสร้างเศรษฐกิจไทย, วารสารการเงินการคลัง, ปีที่ 28 ฉบับที่ 87 มีนาคม-มิถุนายน. สำนักงานเศรษฐกิจการคลัง กระทรวงการคลัง

องอาจ รุกขพัฒน์กุล , ณัฐพงษ์ พัฒนพงษ์ , อธิพงศ์ ทิรัญเรืองโชค (2017) ปัจจัยที่มีอิทธิพลต่อการเปลี่ยนแปลงรายได้ของประชาชนในพื้นที่การพัฒนาเขตเศรษฐกิจพิเศษ หนองคาย มุกดาหาร แม่สอด, วารสารการเงินการคลัง, ปีที่ 28 ฉบับที่ 87 มีนาคม-มิถุนายน. สำนักงานเศรษฐกิจการคลัง กระทรวงการคลัง

Puttanapong, N. (2017) The Spatial Perspective of Economic Structure: An Evolution of Thai Economy during 1992-2012 using DMSP/OLS Satellite Data (มองโครงสร้างเศรษฐกิจบนมิติภูมิสารสนเทศ: ลักษณะเปลี่ยนแปลงของเศรษฐกิจไทยจากการศึกษาข้อมูลภาพดาวเทียม DMSP/OLS ในช่วงปี พ.ศ. 2535-2556), *The 39th Annual Symposium, Faculty of Economics, Thammasat University*

Puttanapong, N. and Sessomboon, P. (2017) 'Revealing the Paths Connecting Thai Agriculture, Food Industry and Household from Structural Path Analysis', *The 9th Asian Society of Agricultural Economists (ASAE) International Conference, January 11-13, 2017, Bangkok, Thailand*

Anantsuksomsri S., Puttanapong N. and Tontisirin N. (2017) 'Global Backward and Forward Multiplier Analysis: The Case Study of Japanese Automotive Industry' (*forthcoming a chapter in book: Socioeconomic Environmental Policies and Evaluations in Regional Science, pp.319-337*).

Puttanapong N. (2016) 'Tracing and Quantifying Influences of Fossil Fuels in Thailand's Economic Structure Using Multiplier and Structural Path Analysis', *4th International Input-Output Conference, July 4-8, 2016 Yonsei University, Seoul, South Korea*.

Anutrakulchai T., and Puttanapong N. (2016) 'The Long-Horizon Invalidity of Uncovered Interest Parity (UIP) after the Global Financial Crisis: the Case of Thailand and Singapore using Panel Cointegration Test' *International Journal of Applied Business and Economic Research*, Vol.14(5), pp. 3247-3263.

Tangpornpaiboon S., and Puttanapong N. (2016) 'Global Financial Crisis and Financial Contagion: an Empirical Evidence of the US, Canada, UK, Germany, Italy, France and Spain' *Journal of Administrative and Business Studies*, Vol.2(1), pp. 48-55.

Puttanapong N. (2016) 'Tracing Thailand's Linkages to Global Supply Chain: Applications of World Input-Output Database (WIOD) and Structural Path Analysis', *International Journal of Applied Business and Economic Research*, Vol.14(1), pp. 411-438.

Puttanapong N. (2016) 'Impacts of GVC Participation on Productivity and Wage: The Case of Thailand' *Key Indicators for Asia and the Pacific 2016 Conference on Labor Markets in Asia: How Trade, Technology, and Regulations are Shaping Asia's Quest for Good Jobs, January 13 – 15, 2016, Asian Development Bank, Manila, The Philippines*.

Tanompongphandh T., Puttanapong N., and Rakwatin P. (2016) 'Exploring Optimal Hedging Strategy in Thai Rice Pledging Scheme Policy' (*forthcoming International Journal of Economic Policy in Emerging Economies*).

Anantsuksomsri S., Puttanapong N. and Tontisirin N. (2015) 'Global Backward and Forward Multiplier Analysis: The Case Study of Japanese Automotive Industry', *The 52nd Annual Meeting of the Japan Section of the Regional Science Association International, October 11, 2015, Okayama University, Japan*

Anutrakulchai T., and Puttanapong N. (2015) 'The Long-Horizon Invalidity of Uncovered Interest Parity (UIP) after the Global Financial Crisis: the Case of Thailand and Singapore using Panel Cointegration Test' *The 2nd International Conference on Multidisciplinary Trend in Academic Research, September 29 2015, Bangkok, Thailand*

Tangpornpaiboon S., and Puttanapong N. (2015) 'Global Financial Crisis and Financial Contagion: an Empirical Evidence of the US, Canada, UK, Germany, Italy, France and Spain', *The 2nd International Conference on Multidisciplinary Trend in Academic Research, September 29 2015, Bangkok, Thailand*

Puttanapong N. (2015) 'Tracing and Quantifying Thailand's Linkages to the Global Supply Chain: the Modification of World Input-Output Database (WIOD) and the Applications of Leontief

Multiplier and Structural Path Analysis', *Singapore Economics Review Conference, August 5 -7, 2015, Singapore.*

Puttanapong N., Wachirangsrikul S., Phonpho W., and Raksakulkarn, V. (2015) 'A Monte-Carlo Dynamic CGE Model for the Impact Analysis of Thailand's Carbon Tax Policies', *Journal of Sustainable Energy & Environment*, Vol.6, pp. 43-53

Limskul K., Puttanapong N., and Bowonthumrongchai T. (2015) 'AEC Integration and Internal Migration: A Dynamic CGE Model Approach', *International Conference on ASEAN Studies (ICONAS 2), August 2015, Chulalongkorn University, Bangkok, Thailand*

Tanompongphandh T., Puttanapong N., and Rakwatin P. (2015) 'Exploring Optimal Hedging Strategy in Thai Rice Pledging Scheme Policy', *SIBR Conference on Interdisciplinary Business and Economic Research, July 2-3, 2015, Osaka, Japan*

พรรณภา พูลมาก, ณัฐพงษ์ พัฒนพงษ์, ปิณณ์ อนันอภิบุตร (2015) อิทธิพลของภาษีที่ดินต่อการสร้างความเป็นธรรมในการกระจายรายได้: กรณีศึกษาจังหวัดศรีสะเกษ [The Influence of Land Tax on Income Distribution: The Case Study of Sisaket Province].วารสารการเงินการคลัง, ปีที่ 27 ฉบับที่ 84 กรกฎาคม-กันยายน 2558. สำนักงานเศรษฐกิจการคลัง กระทรวงการคลัง

Suttiwichienchot A., and Puttanapong N. (2014) 'A Study on Internal Labor Movement and Policy Multiplier in Thailand', *Eurasian Journal of Economics and Finance*, Vol. 3, No 3, pp. 57-68

(This paper was presented in The 22nd Annual Conference on Pacific Basin Finance, Economics, Accounting, and Management, September 4th -5th 2014, Aichi University Nagoya, Japan)

Chantararat S., Pannangpetch K., Puttanapong N., and Tanompongphandh T. (2014). Index-Based Risk Financing and Development of Natural Disaster Insurance Programs in Developing Asian Countries (Chapter 9). In: D.P. Aldrich et al. (eds.) *Resilience and Recovery in Asian Disasters: Community Ties, Market Mechanisms, and Governance*. Tokyo: Springer. ISBN-13: 978-4431550211).

Puttanapong N., Wachirangsrikul S., Phonpho W. , and Raksakulkarn, V. (2014) 'A Monte-Carlo Dynamic CGE Model for the Impact Analysis of Thailand's Carbon Tax Policies', *The 4th Congress of East Asian Association of Environmental and Resource Economics, February 12th - 14th 2014, Busan, Republic of Korea..*

Chantararat S.,Pannangpetch K.,PuttanapongN.,Tanompongphandh T.(2013) 'Index-Based Risk Financing and Development of Natural Disaster Insurance Programs in Developing Asian Countries', Working Papers DP-2013-09, Economic Research Institute for ASEAN and East Asia (ERIA).

Puttanapong N. (2013) 'Impacts of Climate Change on Major Crop Yield and the Thai Economy: A Nationwide Analysis Using Static and Monte-Carlo Computable General Equilibrium Models', *Thammasat Economic Journal*, Vol. 31, No 3, September, 2013, pp. 68-87
(This paper was presented in The 23rd Pacific Conference of the Regional Science Association International (RSAI), July 2nd – 4th, 2013, Bandung, Indonesia).

Wachirangsrikul S., Sorapipatana C., Puttanapong, N., and Chontanawat, J. (2013) Impact of Carbon Tax levy on Electricity Tariff in Thailand using Computable General Equilibrium Model, *Journal of Energy Technologies and Policy*, Vol.3, No.11, 2013, pp.220 – 228.

Lay, J., Manopiniwes C., and Puttanapong N. (2011) ‘Macro-Micro Simulations of Shared Growth Strategies in Thailand’, *The World Bank (working paper)*

Azis, I.J. and Puttanapong, N. (2009) ‘Revisiting Output-Price Relations in East Asia’, *China-USA Business Review*, Vol.8, No. 1, January, 2009, pp.1-11.

(This paper was presented in The 7th Indonesian Regional Science Association (IRSA) International Conference, August 3rd – 4th, 2005, University of Indonesia, Jakarta, Indonesia).

Azis, I.J. and Puttanapong, N. (2008) ‘A Regional Trend Towards a Basket Peg System’, *International Journal of Trade and Global Markets*, Vol. 1, No. 2, pp.144–162.

(This paper was presented in The International Conference in Regional Science, August 11th -13th, 2008, Yakjakarta, Indonesia)

Puttanapong, N. (2007) ‘Does the Privatization Benefit Consumers?: the Empirical Study in the Local Telephone Service’, *Siam Academic Review*, Vol. 10, November, 2007, pp.71–88.

Wen Y., and Puttanapong N. (2004) ‘Cross and Coherence Wavelet Spectra: an Application on US Economic Data’, (*working paper*)

Puttanapong N., Dejhan K. and Kopayacmintr V. (1999) ‘Email to Fax Gateway’, *Ladkrabang Engineering Journal*, Vol. 16, No 4, pp.65-69.