

Diep Hoang Phan

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Work Rights: Holder of Australian Temporary Graduate Visa (subclass 485), valid until 16 May 2030

PROFILE

Applied economist and data scientist with a Ph.D. in Economics from Monash University (2023), specialising in climate risk, economic resilience, and policy-relevant data analytics. My research integrates advanced econometric modelling, machine learning, and geospatial analysis to examine systemic risks, environmental vulnerability, and behavioural responses to policy interventions.

I have an active and competitive research profile, having applied for over 10 external research grants across national and international funding schemes, and contributed to interdisciplinary grant development initiatives. My work has been presented at numerous international conferences and workshops, reflecting sustained global research engagement and scholarly visibility.

I maintain a strong publication record relative to opportunity, with peer-reviewed outputs in leading international journals and ongoing collaborative projects in environmental and applied microeconomics. My research combines rigorous quantitative methods (causal inference, difference-in-differences, instrumental variables, structural equation modelling, predictive modelling) with qualitative and mixed-method approaches, including survey design, stakeholder engagement, and policy analysis.

Currently a faculty lecturer at the University of Economics Ho Chi Minh City, I lead and collaborate on projects in applied microeconomics, digital transformation, environmental economics, and climate-related risk governance in emerging economies. I work extensively with large-scale administrative and geospatial datasets, integrating diverse data sources to generate policy-relevant insights.

Technically proficient in R, Python, Stata, MATLAB, and ArcGIS, I specialise in translating complex data into clear, decision-oriented evidence through high-quality data visualisation and interdisciplinary collaboration.

CURRENT POSITION

Faculty lecturer

University of Economics Ho Chi Minh City

03/2026–present

Ho Chi Minh City, Vietnam

PAST POSITIONS

Research Fellow

RMIT University Vietnam

11/2023–10/2025

Ho Chi Minh City, Vietnam

Research Interests

Applied Economics, Economic Development, Energy Economics, Environmental Economics, Digital Transformation

Lecturer

Danang University

12/2012–01/2020

Danang, Vietnam

EDUCATION

PhD in Economics

Monash University

02/2020–10/2023

Melbourne, VIC, Australia

Master in Economics

The University of Queensland

03/2015–12/2016

Brisbane, QLD, Australia

PUBLICATIONS

- Phan, D. H., Churchill, S. A., Smyth, R., & Trinh, T. A. (2025). Cycles of adversity: Parental joblessness in childhood and energy poverty in adulthood. *Energy Research & Social Science*, 122, 104011. <https://doi.org/10.1016/j.erss.2025.104011> (First author, Q1, IF: 6.9)
- Phan, D. H. (2024). Adverse effects of extreme temperature on human development: Empirical evidence from household data for Vietnam across regions. <https://doi.org/10.1016/j.ecolecon.2024.108343> *Ecological Economics*, 225, 108343. (Sole author, ABDC: A, ABS: 3*)
- Phan, D. H. (2023). Lights and GDP relationship: What does the computer tell us? *Empirical Economics*, 65(3), 1215–1252. <https://doi.org/10.1007/s00181-023-02377-y> (Sole author, ABDC: A)
- Policy Brief: Attracting Global Resources and Talents to Drive Industrial Transformation: Experience from Australia and Policy Implications for Vietnam and Ho Chi Minh City.
- Policy Brief: Macroeconomic Implications of Transitions to Low-Carbon Energy in Vietnam.
- White Paper: Smart and Sustainable Cities in the Asia-Pacific Region: Current Landscape, Challenges, and Policy Implications.

RESEARCH GRANTS

- RMIT Vietnam Research Grants 2026 – Early Career Grant (VND 190,997,783, Chief Investigator). *Project*: Advancing Blood Donation in Vietnam: Leveraging Social Identity, Trust, and Digital Innovation. (Funded; project duration: Jan 2026–Dec 2026).
- ASEAN Blue Innovation Challenge Grant (US\$39,000, Associate Investigator). *Project*: A multi-pronged integrative approach for sustainable tourism: Stakeholder collaboration to plastic pollution on land and marine in Cham Islands, Vietnam. (shortlisted; rejected: Funder’s feedback shows an expectation for the project to procure seabed cleaning machine. The revised application was not able to take in this suggestion because the search revealed the machine costs USD40,000, which is an amount that is the funding cap.)
- Strategic Innovation Challenge (AUD\$40,000, Associate Investigator). *Project*: Social Innovation via MOOC: Digital Capability-building for Advancing National Human Capital in Vietnam. Unsuccessful – shortlisted among several applications

WORKING PAPERS

- Does energy consumption lead to economic growth over time? Evidence from semi-parametric estimation for a panel of Asia Pacific countries. (with Russell Smyth, Mita Bhattacharya, Xibin Zhang). (*R&R, Applied Economics*) (ABDC: A)
- Assessing Smart and Sustainable City Development in Developing Countries: A Case Study of Vietnam. (with YinTeng Chew, Trung Nguyen). (*R&R*)
- Unveiling the Heterogeneous Impact of FDI on Economic Growth in Asia-Pacific: A Semiparametric Approach with Endogeneity Correction. (with Nguyen Tran). (*Under Review*)
- Carbon transition scenarios in Vietnam. (with Vu Trinh, Khoa Tran, Tam Nguyen, Hung Do, Vuong Chu). (*Under Review*)
- Health Inequality Index across ethnic minority groups in Vietnam. (*Under Review in Energy Economics (ABDC: A*)*).
- Moving Ahead from Tax Compliance: Simplicity, Inclusiveness and Transparency of Tax Systems and Reforms (*Manuscript in preparation*) (with Prof. Binh Tran, A/Prof. Elaine, and Dr. Lee Mei Yee). We aim to submit this paper to the *Australian Tax Forum* (ABDC: A*).
- Measurements of true income: Do PWT, UQICD and WDI behave similarly? (with Alicia Rambaldi).

CONFERENCE ACTIVITY

- 04/2025 Carbon transition scenarios in Vietnam. *IFABS 2025 Oxford*, St Hilda's College, University of Oxford, Oxford OX1 2JD, United Kingdom.
- 07/2023 Temperature shocks and human development. *Vietnam Economist Annual Meeting (VEAM)*, Danang, Vietnam.
- 06/2023 Temperature shocks and human development. *63rd New Zealand Association of Economists Annual Conference (NZAE)*, Auckland, New Zealand.
- 06/2023 Temperature shocks and human development. *Australasian Development Economics Workshop (ADEW)*, Sydney, Australia.
- 02/2023 Does energy consumption lead to economic growth over time? Evidence from semi-parametric estimation for a panel of Asia Pacific countries. *Department Seminar, Monash Malaysia*, Kuala Lumpur, Malaysia.
- 04/2023 Temperature shocks and human development. *17th Western Economic Association International Conference*, Melbourne, Australia.
- 12/2022 Lights and GDP relationship: What does the computer tell us? *Asian & Australasian Society of Labour Economics (AASLE) Conference*, Tokyo, Japan.
- 11/2022 Lights and GDP relationship: What does the computer tell us? *Vietnam Symposium in International Business Conference*, Ho Chi Minh City, Vietnam.
- 12/2016 Measurements of true income: Do PWT, UQICD and WDI behave similarly? *Vietnam Economist Annual Meeting (VEAM)*, Ho Chi Minh City, Vietnam.

HONORS AND AWARDS

- 2024 Purple Letter for Outstanding Teaching Performance, ECC2551, Monash Business School, Semester 2, 2023.
- 2023 Postgraduate Research Travel Grant and Study Away (AUD\$2,115), Monash University.
- 2022 Vice-Chancellor's International Inter-campus PhD Travel Grant (AUD\$3,000), Monash University.
- 2022 Travel Awards for PhD Students and Postdoctoral Staff (AUD\$3,000), Monash Energy Institute.
- 2020–2023 Department Research Fund (AUD\$12,000), Department of Economics, Monash University.
- 2020–2023 Co-funded Monash Graduate Research Scholarship (Full PhD Scholarship), Monash University.
- 2015–2016 Australia Awards Scholarship (Master's Scholarship, AUD\$158,000), Australian Government.
- 2014 Belgium-Vietnam Bilateral Scholarship Programme, Belgium Government.
- 2013 Kulturstudier Studying Development Scholarship, Kulturstudier, Norway.

TEACHING EXPERIENCE

Teaching Assistant

University of Melbourne

07/2023–Present

Melbourne, VIC, Australia

- ECON10003 – Introductory Macroeconomics

Teaching Assistant

Monash University

07/2020–Present

Melbourne, VIC, Australia

- ECC1100 – Principles of Macroeconomics
- ETC2410 – Introductory Econometrics
- ECF2731 – Managerial Econometrics
- ECC2551 – Mathematical Economics

Lecturer

University of Danang

12/2012–01/2020

Danang, Vietnam

- Introduction to Macroeconomics
- Statistical and Business Analysis
- Introduction to Mathematical Economics

- Statistics for Business and Economics
- Foundations of Microeconomics
- Foundations of Macroeconomics

REFEREE SERVICE

- *Energy Economics* (2)

SKILLS

- **Software:** Stata, R, Python, MATLAB, \LaTeX
- **Languages:** Vietnamese (native), English (fluent)

PROFESSIONAL MEMBERSHIPS

- Western Economic Association International, 2023
- Asian & Australasian Society of Labour Economics, 2022

REFERENCES

Prof. Russell Smyth

Department of Economics
Monash University
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Dr. Mita Bhattacharya

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Prof. Trung Nguyen

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A/Prof. Yin Teng (Elaine) Chew

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The Business School, RMIT University Vietnam
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