

VIET NGUYEN-TIEN

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PROFESSIONAL EXPERIENCE

London School of Economics and Political Science (LSE)

Postdoctoral Research Economist at Centre for Economic Performance (CEP)

London, UK

Mar 2020 - present

University of Birmingham

Faraday Institution Postdoctoral Research Fellow

Teaching Assistant

Birmingham, UK

Jun 2018 - Mar 2020

Sep 2016 - May 2018

- Development Economics (BSc).
- Econometrics (MSc).
- Econometrics with Financial Applications (MSc).

EDUCATION

University of Birmingham

PhD Economics

Birmingham, UK

Sep 2015 - Mar 2019

- Thesis title: Three Essays on Environment, Economics, and Politics.
- Nominated for Michael K. O'Rourke Best Publication Awards.

University of Birmingham

MSc International Economics (Distinction)

Birmingham, UK

Sep 2014 - Sep 2015

Foreign Trade University

BSc (Hons) International Business Economics (First-class honours, Dean's Honour List)

Hanoi, Vietnam

Sep 2009 - Sep 2013

RESEARCH

Work in Progress

- 'Climate, Innovation, Employment' (with Van Reenen, J., Martin, R., Valero, A., Bratch, F., Shah, A.).
- 'Green Knowledge Relatedness and Complexity: A Firm Level Analysis of Smart Specialisation' (with M. Song and B. Nguyen).
- 'Mineral Price Shocks, Disruptive Technologies and Innovative Firms'.
- 'Electric Vehicle Chargers, House Prices and Inequality' (with Beltran, A.).
- 'The New Wave? Technology Diffusion in the UK during the 2010s' (with Draca, M., Nathan, M., Valero, A., Zhang, S., Rosso, A., Oliveira-Cunha, J.).
- 'Economic Growth Goes 'Fractal': The Changing Structure of the UK's High-Growth Economy' (with Draca, M., Nathan, Valero, A., Zhang, S., Rosso, A., Oliveira-Cunha, J.).
- 'Extreme Weather, Vehicle Reliability and Scrappage Schemes' (with Elliott, R., Strobl, E., Zhang, C.).

Publications

- Elliott, R., Nguyen-Tien, V., Strobl, E., Tveit, T. (2023), 'Natural Disasters and Voting Behavior: Evidence from Environmental Legislation in the US Senate', *Journal of the Association of Environmental and Resource Economists*, **10** (3).
- Lander, L., Tagnon, C., Nguyen-Tien, V., Kendrick, E., Elliott, R., Abbott, A., Edge, J., Offer, G. (2023) 'Breaking it down: A techno-economic assessment of the impact of battery pack design on disassembly costs', *Applied Energy*, **331**, 120437.
- Nguyen-Tien, V., Dai, Q., Harper, G., Paul, A., Elliott, R. (2022), 'Optimising the Geospatial Configuration of a Future Lithium-Ion Battery Recycling Industry in the Transition to Electric Vehicles and a Circular Economy', *Applied Energy*, **321**, 119230.
- Nguyen-Tien, V., Elliott, R., Heidrich, O., Slattey, M., Dai, Q., Harper, G. (2022), 'Life Cycle Assessment of Recycling Systems' in Harper, G., Anderson, P., Kendrick, E. (ed.) Roadmap for a sustainable circular economy in lithium-ion and future battery technologies. *Journal of Physics: Energy*.
- Jones, B., Nguyen-Tien, V., & Elliott, R. (2022), 'The electric vehicle revolution: Critical material supply chains, trade and development', *The World Economy*, **00**, 1–16.

- Elliott, R., Nguyen-Tien, V., Strobl, E. (2021), ‘Power Outages and Firm Performance: A Hydro-IV Approach for a Single Electricity Grid’, *Energy Economics*, **103**, 105571.
- Lander, L., Cleaver, T., Rajaeifar, M., Nguyen-Tien, V., Elliott, R., Heidrich, O., Kendrick, E., Edge, J., Offer, G. (2021), ‘Financial Viability of Electric Vehicle Lithium-Ion Battery Recycling’, *iScience* **24 (7)**, 102787.
- Jones, B., Elliott, R., Nguyen-Tien, V., (2020), ‘The Electric Vehicles Revolution: The Road ahead for Critical Raw Materials Demand’, *Applied Energy* **280**, 115072.
- Nguyen-Tien, V., Elliott, R. and Strobl, E. (2018), ‘Hydropower generation, flood control and dam cascades: A national assessment for Vietnam’, *Journal of Hydrology* **560**, 109–126.

Policy Reports and Blog Posts

- Jones, B., Nguyen-Tien, V., Elliott, R., Harper, G., Laura, L. (2022) ‘The supply chain for electric car batteries is changing the world's geopolitics’. *LSE Business Review*.
- Nguyen-Tien, V., Elliott, R., Harper, G., Laura, L. (2022) ‘Green growth and electric vehicles: the role of recycling’. *LSE Business Review*.
- Curran, B., Martin, R., Muller, S., Nguyen-Tien, V., Oliveira-Cunha, J., Serin, E., Shah, A., Valero, A. & Verhoeven, D. (2022), ‘Growing clean: Identifying and investing in sustainable growth opportunities across the UK’. *The Resolution Foundation*.
- Valero, A., Li, J., Muller, S., Riom, C., Nguyen-Tien, V. and Draca, M. (2021), ‘Are ‘green’ jobs good jobs? ‘How lessons from the experience to-date can inform labour market transitions of the future’. *Granttham Research Institute on Climate Change and the Environment* and *Centre for Economic Performance*.

Research Interests: Environmental Economics, Political Economy, Innovation Economics, Development Economics.

Refereeing: Environmental and Resource Economics, Journal of Economic Behavior & Organization, Energy Journal, Research in Transportation Business & Management, Economic Modelling.

SELECTED TALKS AND CONFERENCE PRESENTATIONS

- *The Future of Energy for Climate Sustainability Workshop*, 2023, Sheffield, UK.
- The 26th *Annual Conference of the European Association of Environmental and Resource Economists*, 2022, Rimini, Italy.
- *The Programme on Innovation and Diffusion* (LSE) Research Seminar, 2022, London, UK.
- *Second Responsible Business Symposium*, 2021, Birmingham, UK.
- *International Conference on Innovation and Circular Economy*, 2020, Santiago de Compostela, Spain.
- *Building Energy Resilience: 6th Annual London-Loughborough Conference*, 2019, Loughborough, UK.
- The 24th *Annual Conference of the European Association of Environmental and Resource Economists*, 2019, Manchester, UK.
- The 6th *World Congress of Environmental and Resource Economists*, 2018, Gothenburg, Sweden.
- *Water Scarcity in Developing Countries Workshop*, 2018, Birmingham, UK.

AWARDS

- Research funding for project ‘Mineral Price Shocks, Disruptive Technologies and Innovative Firms’ by *Growth Programme* and *The Programme on Innovation and Diffusion* at LSE CEP (2023).
- Joint Doctoral studentship by Birmingham Business School and Department of Economics for research project ‘Climate change, Hydropower and Firm Performance’ (2015-2018).

SELECTED SKILLS

- Statistical software and programming: STATA, Python, R, Matlab, Eviews, OxMetrics.
- Spatial analysis and GIS application: ArcGIS, ArcPy, GeoPandas.
- Secured Data Access: ONS UK Data Service Secure Lab.
- Others: Machine Learning, Natural Language Processing, Network Analysis, Cloud Computing, High Performance Computing, GitHub, SQL, LaTeX, Markdown, Microsoft Office, WordPress.

REFERENCES

Available upon requests

Last updated: July 2023