

Wooyong Lee

October 2025

University of Technology Sydney
Economics Discipline Group
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Employment

Lecturer (Assistant Professor) of Economics, University of Technology Sydney, 2021–present

Education

Ph.D. Economics, University of Chicago, United States, 2020

Dissertation Title: “Identification and estimation of dynamic random coefficient models”.

Committee: Stéphane Bonhomme (Chair), Alexander Torgovitsky, Guillaume Pouliot.

M.Sc. Statistics, University of British Columbia, Canada, 2014

Dissertation Title: “Pre-averaged kernel estimators for the drift function of a diffusion process in the presence of microstructure noise”.

Committee: Nancy Heckman (Chair), Priscilla Greenwood.

B.A. Economics and B.A. Statistics, Korea University, Korea (South), 2012

Research Interests

Econometrics (Primary), Applied Microeconomics

Publications

Peer-Reviewed Publications

1. Lee, W. (2025). Identifying fixed-effects models with heterogeneous coefficients. *Seoul Journal of Economics*, 38(1), 69–84.
2. Lee, W., Greenwood, P. E., Heckman, N., and Wefelmeyer, W. (2017). Pre-averaged kernel estimators for the drift function of a diffusion process in the presence of microstructure noise. *Statistical Inference for Stochastic Processes*, 20, 237–252.

Working Papers

3. Identification and estimation of dynamic random coefficient models (revise and resubmit at *Review of Economic Studies*).
4. A simple approach to staggered difference-in-differences in the presence of spillovers (with Mario Fiorini and Gregor Pfeifer).
5. Differences-in-differences with dynamic treatment choices.

Seminar and Conferences Presentations

- 2025 Macquarie University, KER International Conference, Econometric Society World Congress.
- 2024 Monash University, Seoul National University, Sogang University, University of Melbourne, Australia
New Zealand Econometric Study Group Meeting.
- 2023 Peking University, Asian Meeting of the Econometric Society, Australasian Meeting of the Econometric Society.
- 2022 University of Queensland, University of Sydney, Australasian Meeting of the Econometric Society,
KAEA Empirical Micro and Microeconometrics Seminar.
- 2020 Brown University, Chinese University of Hong Kong, Cornell University, Duke University, Hanyang
University, Korea Development Institute, University of Southern California, University of Technology
Sydney, Rice University, Toulouse School of Economics.
- 2019 Optimization-Conscious Econometrics Conference.

Invited Conference Presentations

- 2024 KER International Conference (on recent developments in the difference-in-differences literature).

Editorial Service

Referee for

Journal of Econometrics,

Journal of the American Statistical Association,

Journal of Accounting Literature.

Advising

Undergraduate Honours Students

Billy Norris (2024, co-advisor with Mario Fiorini; Honours Class 2 Division 1)

Teaching

University of Technology Sydney

Introductory Econometrics (Undergraduate)

Empirical Methods for Policy Evaluation (Undergraduate)

Economics for Management (Postgraduate)

Topics in Econometrics (Postgraduate)

Miscellaneous

Programming Languages: C++, R, Stata.

Nationality: Korea, Republic of (South). Permanent Resident of Australia.