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EMPLOYMENT

Associate Research Fellow, Korea Energy Economics Institute (from September 2023).

Visiting Research Fellow, Korea Energy Economics Institute, August 2023–Present.

EDUCATION

Ph.D. in Agricultural and Resource Economics, University of California, Davis, September 2023.

Committee: Kevin Novan (Chair), Katrina K. Jessoe, Mark J. Agerton.

M.P.P., Gerald R. Ford School of Public Policy, University of Michigan, Ann Arbor, April 2017.

B.A. in Economics; and

B.S. in Mechanical and Aerospace Engineering, Seoul National University, February 2008.

RESEARCH INTERESTS

Energy and Environmental Economics (Energy Consumption Behavior, Tariff Design, Energy Poverty),
Natural Resource Economics, Applied Econometrics, Data-driven Public Policy Analysis.

WORKING PAPERS

Prices Still Matter: How Households Adjust Their Consumption Behavior under Time-Of-Use Electricity Pricing (Job Market Paper).

Dynamic Consumption Behavior with Lagged Price Signals: Household Electricity Consumption under Nonlinear Prices.

From Hotelling to DCDP Model: A New Approach for Microeconomic Empirical Work in Oil and Gas Extraction (with Mark J. Agerton).

FELLOWSHIPS AND AWARDS

Henry A. Jastro Graduate Research Scholarship Award (\$3,000), 2021 & 2022.

UC Davis Provost's Fellowship in Arts, Humanities and Social Sciences, 2017.

Annenberg Foundation Summer Internship Funding (\$3,000), 2016.

SEMINAR AND CONFERENCE PRESENTATIONS

- 2023 12th Congress of AAERE (Scheduled), SEEPS Camp (Online), Korea Energy Economics Institute (Online), Korea Development Institute (Sejong, Korea)
- 2022 43rd IAEE International Conference (Tokyo, Japan), EMEE Virtual Summer Workshop, AERE Annual Summer Conference (Miami, FL), 13th Annual Giannini Foundation of Agricultural and Resource Economics Student Conference (Berkeley, CA).
- 2021 38th Annual USAEE/IAEE North American Virtual Conference.

RESEARCH EXPERIENCE

Graduate Student Researcher

- For Professor Aaron Smith, January 2022–June 2022.
- For Professor Mark J. Agerton, June 2019–September 2020.
- For Professor Timothy Beatty, January 2019–September 2019.

TEACHING EXPERIENCE

Teaching Assistant

- Intermediate Microeconomics: Theory of Production & Consumption (ARE 100A), 2022.
- Principles of Finance (ARE 171), 2021.
- Operations Research & Management Science (ARE 155), 2018, 2020-2021 & 2023

OTHER WORK EXPERIENCE

- Innovations for Poverty Action (IPA), Intern, Summer 2016.
- Hyundai Engineering & Construction Co., Ltd, Senior Project Engineer, 2008–2014.
- The Republic of Korea Air Force, Sergeant, 2002–2004.

SKILLS

- Computing R, Python, Julia, ArcGIS, Stata, L^AT_EX, git.
- Languages Korean (native), English.

REFERENCES

Kevin Novan (Chair)
Associate Professor
UC Davis, Agricultural and Resource Economics
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Last updated: August 17, 2023