

# Stanford

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## Omer Karaduman

Postdoctoral Scholar, Economics

 Curriculum Vitae available Online

### Bio

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#### BIO

Prior to coming to Stanford, Omer completed his Ph.D. in Economics at MIT in 2020, and got his bachelor's degree in Economics from Bilkent University in 2014.

His research focuses on the transition of the energy sector towards a decarbonized and sustainable future. In his research, he utilizes large datasets by using game-theoretical modeling to have practical policy suggestions.

Omer's Ph.D. research focused on the transition to a low carbon electricity system at the wholesale level. His thesis developed a framework that allows us to estimate the impact of large-scale battery and renewable investment in an imperfectly competitive electricity market. He worked on the social and private benefits of grid-scale energy storage and the need for policies that complement investments in renewables with encouraging energy storage and investigated the impact of large-scale renewable investment in the wholesale electricity market in terms of price and emissions.

He is currently working on using large-scale energy storage as a transmission asset, the impact of large EV uptake on the wholesale electricity market, and carbon pricing in the electricity industry.

#### PROFESSIONAL EDUCATION

- Bachelor of Arts, Bilkent University (2014)
- Doctor of Philosophy, Massachusetts Institute of Technology (2020)

#### STANFORD ADVISORS

- Charles Kolstad, Postdoctoral Faculty Sponsor

#### LINKS

- Job Market Page: <https://economics.mit.edu/grad/omerk>

### Publications

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#### PUBLICATIONS

- **Market Failure in Kidney Exchange** *AMERICAN ECONOMIC REVIEW*  
Agarwal, N., Ashlagi, I., Azevedo, E., Featherstone, C. R., Karaduman, O.  
2019; 109 (11): 4026–70
- **What Matters for the Productivity of Kidney Exchange?**  
Agarwal, N., Ashlagi, I., Azevedo, E., Featherstone, C., Karaduman, O.

