

# Wenshu Guo

## Contact Information

Institute for Economic and Social Research (IESR)  
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## Research Interest

Industrial Organization, Antitrust

## Position

**Jinan University (IESR)**  
Assistant Professor of Economics

09/2018 - present

## Education

**UCLA**, Ph.D. 2018  
**University of Hong Kong**, Bachelor of Economics and Finance, 1st Class Honors 2012

## Research Papers

**“The Effect of Production Information on the Choices of Lease Locations: a Study of the Marcellus Shale”**. (Job Market Paper)

In November 2010, the Pennsylvania government began posting well-specific production data of the Marcellus Shale. The information reveals the shale gas reserve distribution. This paper studies the effect of the production information disclosure on the shale gas operators’ choices of lease locations. A theoretical model is proposed, in which firms sequentially choose the location with the highest expected return by conducting Bayesian updating about the locations’ output potentials, with their prior beliefs adjusted by the production data. The model is empirically examined using a novel dataset. Outcomes show that the production information shifts firms’ target leases towards more productive regions, leading to higher efficiency of the shale gas firms’ resource allocation.

**“Two Empirical Models of Matching Games”**

This paper proposes two empirical models of one-to-one matching games. The first model concerns static one-to-one transferable utility matching games with search frictions. Nonparametric identification is examined and illustrated using a simple example. The second model studies static one-to-one non-transferable utility matching games. It uses a parametric framework and allows heterogeneity by imposing random effects and random coefficients. In particular, a finite mixture model is considered. The paper then conducts a Monte Carlo exercise and uses the EM algorithm to estimate the model.

## Professional Experience

Cornerstone Research, Summer Associate  
PwC Hong Kong, Summer Intern

05/2016 - 08/2016  
08/2010

## Teaching Experience

UCLA, Department of Economics  
Microeconomics: Theory of Firm and Consumer (Ph.D. core)  
Introduction to Statistical Methods and Econometrics (M.A.E. core)  
Principles of Economics  
Introduction to Econometrics  
Microeconomic Theory  
Probability and Statistics

## Awards and Honors

HKU Foundation Scholarship, University of Hong Kong  
Dean's Honors List, University of Hong Kong

2009 - 2012  
2009 - 2012

## Languages

English (Fluent), Mandarin (Native)