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PLACEMENT DIRECTORS

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EDUCATION

Ph.D. Economics, University of Maryland at College Park, expected May 2019
M.P.A. Cornell University, May 2014
M.A. Economics, Renmin University of China, December 2013
B.A. Economics, Peking University, June 2011
B.A. Management, Peking University, June 2011

FIELDS OF SPECIALIZATION

Primary: Microeconomic Theory, Industrial Organization
Secondary: Market Design

DISSERTATION

Essays on Auction Theory and Application

Committee: Prof. Daniel Vincent (Chair), Prof. Lawrence Ausubel, Prof. Emel Filiz-Ozbay

JOB MARKET PAPER

“Mergers in R&D Races”

There is a substantial literature on the effects of mergers on product prices, but the effects of mergers on other outcomes, such as research and development (R&D) investment spending, are less studied. In this paper I develop a model for evaluating the likely effects of a merger (or joint research venture) on the R&D investment decisions of competing firms. R&D investments are modeled as an all-pay contest (auction) among firms, with the payoff from investment going to the firm that invests the largest amount. I provide an explicit characterization of the equilibrium in a two-type multi-player asymmetric all-pay contest model. The equilibrium solution then is applied through simulation to calibrate the effects of mergers or joint research ventures on firms' R&D efforts and efficiency. I find that a merger always reduces total R&D effort if there are few premerger firms. Moreover, a merger that makes firms more symmetric leads to efficiency gains, while a merger that makes firms more asymmetric leads to limited efficiency losses.

OTHER RESEARCH PAPERS

“Sequential Auctions with New Entrants,” working paper

“Political Reform and Institutional Environment: Evidence from Cross-National Data,” work in progress, with Huihua Nie

“Institutional Progress and Characteristics of Political Leaders,” work in progress, with Huihua Nie

“The Structure of R&D Expenditure and Its Efficiency”, 2013, Masters Thesis, Renmin University of China

TEACHING EXPERIENCE

Instructor, Econometrics II (undergraduate), University of Maryland, Summer 2018

Instructor, Econometrics I (undergraduate), University of Maryland, Fall 2016, Spring 2017, Summer 2017

Teaching Assistant, Principles of Microeconomics (undergraduate), University of Maryland, Fall 2015, Spring 2016, Fall 2017, Spring 2018, Fall 2018

Teaching Assistant, Economic Statistic (undergraduate), University of Maryland, Fall 2014, Spring 2015

Teaching Assistant, Introduction to Game Theory (undergraduate), Renmin University of China, Spring 2012

RESEARCH AND RELEVANT WORK EXPERIENCE

Research Intern, Mead Over, Center for Global Development, Washington D.C., May – August 2016

Research Assistant, Haitong Security Co. Ltd., Shanghai, China, July – August 2010

GRANTS AND AWARDS

Graduate Assistantship, University of Maryland, Fall 2014 – present

Pi Alpha Alpha Honor Society, inducted 2014

Graduate Fellowship, Renmin University of China, Fall 2011 – Spring 2012

President’s Research Fellowship, Peking University, 2009 – 2010

CONFERENCE AND SEMINAR PRESENTATIONS

2018: 2nd GW Student Research Conference in Economics

LANGUAGES

Mandarin Chinese (native), English (fluent)

COMPUTATIONALSKILLS

Stata, SPSS, Matlab, Machine Learning/Deep Learning with Python

REFERENCES

Prof. Daniel Vincent	University of Maryland	dvincent@umd.edu	(301) 405-3485
Prof. Lawrence Ausubel	University of Maryland	ausubel@econ.umd.edu	(301) 405-3495
Prof. Emel Filiz-Ozbay	University of Maryland	filizozbay@econ.umd.edu	(301) 405-3474