

# Dr. Ralph B. Siebert

Professor of Economics  
and  
Director of MS Economics (online and residential)  
Purdue University  
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## PROFESSIONAL EXPERIENCE

### Positions

- 2018 - present Full Professor (with tenure) at Purdue University, Krannert School of Management, Dept. of Economics, West Lafayette, Indiana, USA.
- 2018 - present Director of MS Economics (online and residential) at Purdue University, USA (successfully increased student enrollment by more than 300 percent.)
- 2018 - present Testifying Expert in Antitrust Cases.
- 2018 – present Associate Expert at ApplEcon Consulting
- 2017 – present Associated Scholar at Purdue University Research Center in Economics
- 2013 - present Visiting Associate Professor University of Chicago, Booth School of Business, Chicago, Illinois, USA.
- 2011 - 2018 Associate Professor (with tenure) at Purdue University, Krannert School of Management, Dept. of Economics, West Lafayette, Indiana, USA.
- 2004 - 2011 Assistant Professor at Purdue University, Krannert School of Management, Dept. of Economics, West Lafayette, USA.

### Other Associate and Visiting Positions, Research Fellowships

- Nov/Dec 2018 Research Fellow at CESifo, Munich, Germany.
- Oct. 2018 Topics in Microeconomics/Micro Sessions at University of Chicago, Booth School of Business, Chicago, Illinois, USA.
- 2013 - present Visiting Associate Professor, Summer teaching at University of Chicago, Booth School of Business, Chicago, Illinois, USA.
- 2009 - present Research Fellow at CESifo, Munich, Germany.
- Mar 2012 Research Fellow at University of Barcelona, Barcelona, Spain.
- Jan-Jun 2010 Research Fellow at University of Toronto, Toronto, Canada.

Jul/Aug 2008 Research Fellow at Ludwig Maximilians University, Munich, Germany.

Oct-Dec 2007 Research Fellow at Center for Economic Studies, Munich, Germany.

Oct-Dec 2006 Research Fellow at European School of Management and Technology (ESMT), Berlin, Germany.

Jul-Aug 2006 Research Fellow at Social Science Research Center (WZB), Berlin, Germany.

Summers 2005-13 Visiting Professor at GISMA, Hannover, Germany.

2002 –Jan 2004 Research Fellow at Harvard University, Dept. of Economics, USA.  
 Ph.D.-thesis on "Innovation, Research Joint Ventures, and Multiproduct Competition" (summa cum laude), Supervisor: Prof. Lars-Hendrik Röller, Humboldt-University Berlin.

1998–2002 Research Fellow at Social Science Research Center (WZB) and Humboldt-University, Berlin, Germany

2000 Appointed as a Research Affiliate at the Center for Economic Policy Research, London (CEPR)

1998–1999 Visiting Research Fellow at Yale University

1996–1998 Junior Research Fellow at WZB, Germany

1994–1996 Research Assistant at WZB, Berlin, Germany

**Other professional experience and services**

2019 Committee member of the Innovation Conference at Northwestern Univ.  
 Committee member of online MS program in Business Analytics at Purdue University  
 Committee member of online MBA program at Purdue University  
 Committee member of Associate Dean hire at Purdue University

2018 Committee member of the Innovation Conference at Northwestern Univ.  
 Committee member of senior hires at Purdue University

2017 Committee member of PhD student recruitings at Purdue University

2015 Committee member of the MBA review at Purdue University

2015 Committee member of the senior hires at Purdue University

Prior to 2015 Advisor and Evaluator for EARIE conference in Porto, Portugal  
 Advisor and Evaluator for EARIE conference in Berlin, Germany  
 Local Organizer of annual WZB Conference (joint with CEPR)  
 Representative in the Research Council of WZB  
 Former Editorial Member at the WZB Publication Series  
 Representative in the Research Council of WZB

## REFEREED PUBLICATIONS

*“Estimating Differential Dynamic Merger Effects on Market Structure and Entry in Related Markets: Evidence from the Semiconductor Industry”*, **forthcoming, Review of Industrial Organization**.

*“The Differential Impact of Subsidies Provided under Different R&D Policies”*, **forthcoming, The Journal of Institutional and Theoretical Economics**.

*“A Structural Model on the Impact of Prediscovery Licensing and Research Joint Ventures on Innovation and Product Market Efficiency”*, **International Journal of Industrial Organization**, 2017, Vol. 54, pp. 89-124.

*“Dynamic Impact of Uncertainty on R&D Cooperation Formation and Research Performance: Evidence from the Bio-Pharmaceutical Industry”* (with Tannista Banerjee), **Research Policy**, 2017, Vol. 46, pp. 1255-1271.

*“Firm-Specific Time Preferences and Postmerger Firm Performance”* (with Jeremiah Harris), **International Journal of Industrial Organization**, 2017, Vol. 53, pp. 32-62.

*“The Impact of R&D Cooperations and Mergers in Pharmaceuticals on Research Activities and Drugs Offered on the Market”* (with Tannista Banerjee), **Southern Economic Journal**, 2017, Vol. 84, pp. 202-228.

*“What Determines Firms' Choices Between Ex Ante and Ex Post Licensing Agreements?”*, **Journal of Competition Law & Economics**, 2015, Vol. 11, pp. 165–199.

*“Entering New Markets in the Presence of Competition: Price Discrimination versus Cannibalization”*, **Journal of Economics and Management Strategy**, 2015, Vol. 24, pp. 369-389.

*“An Experimental Analysis of the Impact of Information Revelation Policies in Sequential Auctions”* with Timothy N. Cason (Purdue University) and Karthik Kannan (Purdue University), **Management Science**, 2011, Vol. 57, pp. 667-688.

*“Learning-by-Doing and Cannibalization Effects at Multi-Vintage Firms: Evidence from the Semiconductor Industry”*, **The B.E. Journal of Economic Analysis & Policy, Advances Tier, Lead Article**, 2010, Vol. 10, Lead Article, pp. 1-32.

*“Jostling for Advantage or Not: Choosing between Patent Portfolio Races and Ex Ante Licensing”*, with Georg von Graevenitz, **Journal of Economic Behavior and Organization**, Feb. 2010, Vol. 73, pp. 225–245.

*“Why Firms form (or do not form) RJVs”* with L.-H. Röller and M. Tombak, **Economic Journal**, July 2007, Vol. 117, pp. 1122-1144.

*“Market Power versus Efficiency Effects of Mergers and Research Joint Ventures: Evidence from the Semiconductor Industry”* with Klaus Gugler, **Review of Economics and Statistics**, 2007, Vol. 89, pp. 645-659.

## **NONREFEREED PUBLICATIONS**

*“International Research Joint Ventures”*, WZB Bulletin, Vol. 47, pp. 34-36.

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## **REVISE AND RESUBMITS/ UNDER REVIEW/UNDER REVISION**

*“A Structural Model on the Impact of Declining Market Entry Costs over Time on Market Structure and Performance”*, with An-Hsiang Liu and Christine Zulehner, **under review**.

*“Do Mergers among Multimarket Firms Create Value?”* with Sebastian Linde, **under review**.

*“Dynamic Impact of Licensing on R&D Capability”* with Zhili Tian, **under review**.

*“Heterogeneous Merger Impacts on Competitive Outcomes”*, **under review**.

*“The Impact of Imperfect Information on Prices and Qualities: Evidence from the Housing Market”*, **under revision**.

*“Heterogeneous Impact of Foreclosure on Housing Prices”*, **under revision**.

*“The Impact of Market Demand and Entry Costs on Market Structure”*, with Christine Zulehner, **under revision**.

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## **WORK IN PROGRESS**

*“A Structural Model on Bargaining Power and Drug Pricing”* with Norton Brandon and Sebastian Linde.

*“A Structural Model on Price Discrimination in the Ethanol Market”* with Jinho Jung.

*“Policy Evaluations on the Affordable Care Act”*, with Sebastian Linde.

*“Fighting Obesity: Who are the Winners and Losers?”*, with Tannista Banerjee.

*“Search and Price Discrimination: Evidence from the Housing Market”*, with Natalia Fabra.

*“Dynamic Demand and Network Externalities”*, with Hajime Shima.

*“An Experimental Analysis of Entry in Auction Markets”* with Timothy N. Cason (Purdue University) and Karthik Kannan (Purdue University).

*“Licensing in the Context of Multimarket Competition”* with An-Hsiang Liu.

*“Product Variety in Differentiated Product Markets”*.

*“Vertical Integration in Markets with Network Effects”*.

*“Optimal Timing to Adopt New Technologies when Firms are Capacity Constrained”*.

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## **RESEARCH AREAS**

Industrial Organization (theoretical and empirical)

Law and Economics

Applied Microeconometrics

Experimental Economics

Urban Economics

Microeconomics

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## **RESEARCH TOPICS**

### **Antitrust and Competition Policy**

Mergers, Research Joint Ventures, Licensing, Market Power

### **Auctions**

Experiments and Structural Estimation

### **Dynamic Oligopoly Models**

Firms’ and Market Dynamics, Evolution of Market Structure

### **Health and Pharmaceuticals**

R&D in Pharmaceuticals, Drug Pricing, Mergers and Licensing in Pharma, Biotech, Obesity

### **Housing Market**

Foreclosure, Price Discrimination

### **Innovation**

Product- and Process Innovation, Patenting, New Product Introduction, Adoption of New Technologies

**Product Market Competition,**

Multiproduct Competition, Product Differentiation, Network Effects

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**MARKETS OF EXPERTISE**

Semiconductor Industry

Pharmaceutical Industry

Health and Pharmaceutical Market

Housing Market

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**GRANTS**

- PURCE Grant
  - John and Mary Willis Young Faculty Scholar Award
  - Research grant: SSHRC
  - Research grant: Austrian Federal Reserve Bank
  - VolkswagenStiftung
  - CESifo Research Grant
  - Medicare Grant
  - European Young Economist Award (2 times)
  - German Economic Association
  - CEPR
  - Bayerische Motorenwerke AG, Munich
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**COURSES TAUGHT**

**PhD, Econ-Master's, MBA-level**

Empirical Industrial Organization

Industrial Organization

Econometrics

Game Theory Online

Applied Game Theory

Microeconomic Theory (Purdue University, GISMA and University of Chicago)

Topics/Sessions in Microeconomic Theory (University of Chicago)

Managerial Economics and Business Strategy

Managerial Decision Making

### **Executive MBA level**

Microeconomic Theory

Managerial Economics

Managerial Economics and Business Strategy

Managerial Decision Making

Economic and Social Policy

International/Global Business Management

### **Undergraduate level**

Honor's Thesis Course

Microeconomic Theory

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### **COMMITTEE MEMBER FOR PH.D. STUDENTS**

#### **COMMITTEE CHAIR, CO-CHAIR**

He, Xiaoyang (exp 2020)

Norton, Brandon (exp. 2020)

Jung, Jinho (exp 2019)

Shimao, Hajime (2018, Santa Fe Institute)

Linde, Sabastian (2017, Grand Valley State University)

Harris, Jeremiah (2014, Kent State University)

Winegar, Ross (2012, Ball State University)

Liu, An-Hsiang (2012, Wuhan University)

#### **COMMITTEE MEMBER**

Das, Somnath (exp. 2019)

Konsor, Kellie (exp. 2017, Saginaw Valley State University)

Meisner, Andrew (2017, Amazon)

Roy, Moumita (MA: 2017, Bloomsburg University)

Cook, Amanda (2016, Bowling Green State University)  
Austin, Joshua (2014, Ohio University)  
Yang, Lihong (2013, Renmin University)  
Nedelscu, Daniel (2013, University of Oklahoma)  
Eminli, Vusal (2013, University of the Pacific)  
Banerjee, Tannista (2011, Auburn University)  
Nayak, Arnab (2011, Auburn University?)  
Klose, Bettina (2010, University of Zurich)  
Park, Do-Yeun (2009, Korean Institute for Industrial Economics and Trade)  
Gupte, Manish (2009, Grand Valley State University)

#### **(EXTERNAL) CHAIR OR COMMITTEE MEMBER**

He, Xiaoyang (exp 2020, external, Purdue University, Agricultural Economics)  
Jung, Jinho (exp. 2019, external, Purdue University, Agricultural Economics)  
Yang, Nathan (2013, external, University of Toronto, McGill University)

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#### **REFEREE REPORTS**

*Applied Economics, Bulletin of Economic Research, Economic Inquiry, E-Journal, Economic Journal, Economic Theory, Economics of Innovation and New Technology, European Economic Review, German Economic Review, International Economic Review, International Journal of Industrial Organization, International Review of Economics and Finance, Japanese Economic Review, Journal of Economic Research, Journal of Economics and Management Strategy, Journal of European Economic Association, Journal of Industrial Economics, Journal of International Economics, Journal of Institutional and Theoretical Economics, Journal of Regional Science, Journal of Political Economy, Management Science, Managerial and Decision Economics, Production and Operations Management Journal, Quarterly Journal of Economics, Rand Journal of Economics, Research Policy, Review of Industrial Organization, Review of Network Economics, Small Business Economics, Southern Economic Journal.*

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#### **HONORS/AWARDS/TEACHING**

2019

Distinguished teacher for the following courses

Empirical Industrial Organization, PhD

Honor's Thesis Course, Undergraduate



Game Theory, MBA  
Online Game Theory, Master's

2018

Distinguished teacher for the following courses

Microeconomics, MBA, University of Chicago, Booth School  
Microeconomics, MBA, University of Chicago, Booth School  
Game Theory, MBA  
Managerial Econ and Business Strategies, MBA, Fall  
Managerial Econ and Business Strategies, MBA, Spring  
Online Game Theory, Master's

2017

Distinguished teacher for the following courses

Empirical Industrial Organization, PhD  
Microeconomics, MBA, University of Chicago, Booth School  
Microeconomics, MBA, University of Chicago, Booth School  
Honor's Thesis Course, Undergraduate  
Game Theory, MBA  
Managerial ECON and Business Strategies, MBA

Outstanding teacher for the following courses

Online Game Theory, Master's

2016

Distinguished teacher for the following courses

Microeconomics, MBA, University of Chicago, Booth School  
Microeconomics, MBA, University of Chicago, Booth School  
Empirical Industrial Organization, PhD  
Honor's Thesis Course, Undergraduate  
Game Theory, MBA  
Online Game Theory, Master's  
International/Global Business Management, MBA  
Empirical Industrial Organization, PhD

Outstanding teacher for the following courses

Empirical Industrial Organization, PhD  
Economic and Social Policy, MBA

2015

Distinguished teacher for the following courses

Game Theory, MBA

Outstanding teacher for the following courses

Microeconomics, MBA, University of Chicago, Booth School

Microeconomics, MBA, University of Chicago, Booth School

Online Game Theory, Master's

2014

Distinguished teacher for the following courses

Economic and Social Policy, MBA

Game Theory, MBA

Empirical Industrial Organization, PhD

Outstanding teacher for the following courses

Microeconomics, MBA, University of Chicago, Booth School

Microeconomics, MBA, University of Chicago, Booth School

2013

Distinguished teacher for the following courses

Game Theory, MBA

Outstanding teacher for the following courses

Microeconomics, MBA, University of Chicago, Booth School

Microeconomics, MBA, University of Chicago, Booth School

Economic and Social Policy, MBA

Empirical Industrial Organization, PhD

2012

Distinguished teacher for the following courses

Empirical Industrial Organization, PhD

Outstanding teacher for the following courses

Microeconomics, MBA

Microeconomics, MBA

Microeconomics, MBA

2011

John and Mary Willis Young Faculty Scholar Award

Distinguished teacher for the following courses

Game Theory, MBA

Empirical Industrial Organization, PhD

Outstanding teacher for the following courses

Microeconomics, MBA

Microeconomics, MBA

2010

Distinguished teacher for the following courses

Game Theory, MBA

2009

Distinguished teacher for the following courses

Empirical Industrial Organization, PhD

Empirical Industrial Organization, PhD

Outstanding teacher for the following courses

Game Theory, MBA

2008

Distinguished teacher for the following courses

Empirical Industrial Organization, PhD

Game Theory, MBA

2007

Distinguished teacher for the following courses

Empirical Industrial Organization, PhD

Outstanding teacher for the following courses

Microeconomics, MBA

Microeconomics, MBA

2006

Outstanding teacher for the following courses

Empirical Industrial Organization, PhD

Microeconomics, MBA

2005

Outstanding teacher for the following courses

Microeconomics, MBA

2004

Distinguished teacher for the following courses

Empirical Industrial Organization, PhD

2001

*European Young Economist Award* for the study "New Product Introduction by Incumbent Firms" awarded by the European Commission at EARIE (Dublin, Ireland)

2000

Ph.D. Degree with Summa cum Laude

*European Young Economist Award* for the study "A Structural Model on Multiproduct Firms and Dynamics over the Product Life Cycle: Evidence from the Semiconductor Industry" awarded by the Journal of Industrial Economics at EARIE (Lausanne, Swiss)

Stipend from German Economic Association

1999

Stipend from Bayerische Motorenwerke AG, Munich

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## **MEMBERSHIP**

Member of the senior hiring committee at Purdue University

Member of the MBA review committee at Purdue University

Member of the PhD student hiring committee at Purdue University

Member of the hiring committee at Purdue University

Member of CESifo

Member of the American Economic Association

Member of the Econometric Society

Member of the Royal Economic Society

Member of the German Economic Society

Member of the Canadian Economic Society

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## **RECENT CONFERENCES AND SEMINARS**

### More Recent Years

2018 Antitrust Conference Bates White, Patents Roundtable at Northwestern University, Innovation Conference at Northwestern University, International Industrial Organization Conference in Indianapolis.

2017 Antitrust Conference Bates White, Northwestern University, CESifo Conference, Munich

2016 Northwestern University, Antitrust Conference Bates White, Searle Center, Roundtable on Technology Standards

2015 Law and Economics Antitrust Conference, Northwestern University, Antitrust Conference Bates White

### Less Recent Years

Amsterdam, Berkeley, Bozano, Copenhagen, Dublin, ESMT, Free University Berlin, Graz, Hannover, Harvard, Humboldt, Hydra, IIOC Boston, Lausanne, Lisbon, Mainz, Mannheim, Marseille, Munich, NBER, New Orleans, Northeastern, Northwestern, Oxford, Paris, Queen's, Santiago de Compostela, Toulouse, Turin, Vienna, Washington, Yale, Antitrust Conference Bates White, Conference on Innovation Economics, Conference on Software and Business Method Patents, Northwestern University, CESifo Conference in Munich, Germany, Conference on Innovation Economics, Conference on Software and Business Method Patents, Northwestern University, Antitrust Conference Bates White, IUPUI, University of Toronto, Northwestern University

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### **SUMMER SCHOOLS**

Summer School in Toulouse on Regulation of European Markets (instructors: Profs. Mark Armstrong, Helmuth Cremer, Claude Crampes, Marc Ivaldi, Paul Klemperer, Jean-Jacques Laffont, Patrick Legros, Jean-Charles Rochet, Jean Tirole).

Summer School in Copenhagen on Empirical Research in Industrial Economics (instructors: Profs. Paul Geroski, Charles Holt, and Stephen Martin).

Summer School in Lisbon on Empirical structural models of Industrial Organization (instructors: Profs. Ariel Pakes and Frank Wolak).

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### **WORK EXPERIENCE, COMPANIES**

- Mercedes Benz (Manufacturer, Automobiles)
- Volkswagen (Manufacturer, Automobiles)
- Obi (Retailer)
- Alfred Teves (Manufacturer, Auto Parts Supplier)