

## TARUN SABARWAL, PH.D.

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### POSITIONS

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2018-Present *De-Min and Chin-Sha Wu Associate Professor of Economics*, University of Kansas  
2016-Present *Associate Chair and Director of Graduate Studies*, Department of Economics, University of Kansas  
2012-Present *Associate Professor*, Department of Economics, University of Kansas  
  
2008 – 2012 Assistant Professor and Oswald Scholar, Department of Economics, University of Kansas  
2005 – 2008 Visiting Lecturer, Department of Economics, Washington University in St. Louis  
2002 – 2005 Lecturer, Department of Economics, University of Texas at Austin  
2000 – 2002 Economist, Board of Governors of the Federal Reserve System  
1991 – 1994 Financial Analyst/Cost Accountant, Western Digital Corporation

### ADMINISTRATIVE AND PROFESSIONAL POSITIONS

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2018-Present Director, Center for Economics Research and Education  
2019-Present Member, Graduate Studies Advisory Committee, Office of the Provost, University of Kansas  
2018-Present Member, Executive Council of Graduate Faculty, University of Kansas  
2018-Present Senior Administrative Fellow, University of Kansas  
2017-Present Member, General Research Fund Competition Evaluation Committee, University of Kansas  
2016-Present Chair, Graduate Program Committee, Department of Economics  
2016-Present Chair, PhD Admissions Committee, Department of Economics  
2016-Present Chair, PhD Qualifying Exam Committee, Department of Economics  
2016-Present Executive Committee Member, Department of Economics  
2018-Present Editorial Board Member, Journal of Academy of Business and Economics

### EDUCATION

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1994 – 2000 Ph.D., Economics (May 2000), University of California at Berkeley  
(Advisor: Dr. Robert M. Anderson)  
1996 – 1999 M.A., Mathematics (December 1999), University of California at Berkeley  
1989 – 1991 M.B.A., Finance (June 1991), University of Cincinnati  
1985 – 1989 B.Commerce, Honors (May 1989), M. M. Modi College, Punjabi University

### GRANTS AND AWARDS

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- *Opening New Views into Bankruptcy and Credit Markets Using Court Records*, National Science Foundation, SES-1355744, 2014-2017, \$176,061
- *Digital Preservation of Bankruptcy Records, 1898-2000*, Alfred P. Sloan Foundation, 2012-2013, \$48,160
- *Monotone Comparative Statics for Games with Strategic Substitutes*, New Faculty General Research Fund Award, University of Kansas, 2009-10, \$8,000

## PUBLICATIONS

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- Sabarwal, Tarun (2019): *Monotone Games: A unified approach to games with strategic complements and substitutes*, research monograph, Palgrave Macmillan (Springer), forthcoming. Under contract, scheduled publication in early 2020
- Hoffmann, Eric J. and Tarun Sabarwal (2018): "Equilibrium existence in global games with general payoff structures," *Economic Theory Bulletin*, <https://doi.org/10.1007/s40505-018-0145-8>
- Barthel, Anne-Christine and Tarun Sabarwal (2018): "Directional monotone comparative statics," *Economic Theory*, 66(3), 557-591, Lead article
- Sabarwal, Tarun (2018): "The shape of rational choices in game theory," *Scientia*, DOI: <https://doi.org/10.26320/SCIENTIA212>
- Monaco, Andrew and Tarun Sabarwal (2016): "Games with strategic complements and substitutes," *Economic Theory*, 62(1), 65-91
- Hoffmann, Eric J. and Tarun Sabarwal (2015): "A Global Game with Strategic Substitutes and Complements," *Games and Economic Behavior*, 94, 188-190
- Zhang, Shuoxun, Tarun Sabarwal, and Li Gan (2015): "Strategic or Non-Strategic: The Role of Financial Benefit in Bankruptcy," *Economic Inquiry*, 53(2), April, 1004-1018
- Roy, Sunanda and Tarun Sabarwal (2012): "Characterizing stability properties in games with strategic substitutes," *Games and Economic Behavior*, 75(1), 337-353
- Roy, Sunanda and Tarun Sabarwal (2010): "Monotone Comparative Statics for Games with Strategic Substitutes," *Journal of Mathematical Economics*, 46(5), 793-806
- Sabarwal, Tarun (2009): "Securitization: understanding the risks and rewards," in *Q Finance: The Ultimate Resource*, Bloomsbury, 576-578
- Berliant, Marcus and Tarun Sabarwal (2008): "When Worlds Collide: Different Comparative Static Predictions of Continuous and Discrete Agent Models with Land," *Regional Science and Urban Economics*, 38(5), 438-444
- Roy, Sunanda and Tarun Sabarwal (2008): "On the (Non-)Lattice Structure of the Equilibrium Set in Games with Strategic Substitutes," *Economic Theory*, 37(1), 161-169
- Kulkarni, Kedar and Tarun Sabarwal (2007): "To What Extent Are Investment Bank-Differentiating Factors Relevant For Firms Floating Moderate-Sized IPOs?" *Annals of Finance*, 3(3), July, 297-327 (Lead article)
- Sabarwal, Tarun (2007): "Value Maximization As An Ex-Post Consistent Firm Objective When Markets are Incomplete," *The B.E. Journal of Theoretical Economics*, 7(1) (Topics), Article 4

- Sabarwal, Tarun (2006): “Common Structures of Asset-Backed Securities and Their Risks,” *Corporate Ownership and Control*, 4(1), Fall, 258-265
- Sabarwal, Tarun (2005): “The Non-Neutrality of Debt in Investment Timing: A New NPV Rule,” *Annals of Finance*, 1(4), 433-445
- Heitfield, Erik and Tarun Sabarwal (2004): “What Drives Default and Prepayment on Subprime Auto Loans?” *The Journal of Real Estate Finance and Economics*, 29(4), 457-477
- Echenique, Federico and Tarun Sabarwal (2003): “Strong Comparative Statics of Equilibria,” *Games and Economic Behavior*, 42(2), Feb., 307-314
- Sabarwal, Tarun (2003): “Competitive Equilibria with Incomplete Markets and Endogenous Bankruptcy,” *Contributions to Theoretical Economics*, 3(1), Jan., Art. 1 (Lead article)

## WORKING PAPERS

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- Hoffmann, Eric J. and Tarun Sabarwal (2019): “Monotone global games,” revise and resubmit at *Games and Economic Behavior*
- Feng, Yue and Tarun Sabarwal (2019): “Strategic complements in two stage, 2x2 games,” submitted
- Dutra, Jéssica and Tarun Sabarwal (2019): “Antitrust analysis with Upward Pricing Pressure and cost efficiencies,” submitted
- Sabarwal, Tarun and Hoa Vu (2018): “Two stage 2x2 games with strategic substitutes and strategic heterogeneity,” submitted
- Sabarwal, Tarun (2019): “Efficiency with Incomplete Markets and Limited Liability” working paper, to be submitted
- Sabarwal, Tarun and Randal Watson (2005): “Large Stores and Contracting for Mall Locations,” working paper

## TEACHING

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### Graduate Teaching

- Ph.D. Microeconomic Theory – I : Fall 2008-2018
- Ph.D. Microeconomic Theory – II: Fall 2009-2015
- Ph.D. Advanced Microeconomic Theory: 2014, 2016
- Game Theory, Ph.D.: Fall 2009, 2011
- Game Theory I, graduate: 2012, 2013, 2015, 2016
- Game Theory II, graduate: 2014, 2017
- Microeconomic Theory, graduate: 2017

- Decisions, Mechanisms, and Auctions, Ph.D.: 2011, 2013
- Ph.D. Quantitative Methods in Economics – I: Fall 2005-2007
- Ph.D. independent study supervision: several semesters
- Ph.D. qualifying examination group (2008 – present)
- Ph.D. mathematics preparation evaluation group (2008 – present)

### **Undergraduate Teaching**

- Principles of Microeconomics: Fall 2004 (2), Spring 2005, Spring 2006 (2), Spring 2007
- Intermediate Microeconomic Theory: Fall 2002, Fall 2003 (2), Spring 2007, Spring 2009 (2); Spring 2011 (2); Spring 2012; Spring 2013 (2); Spring 2014
- Industrial Organization and Antitrust Policy: Spring 2016
- Advanced Microeconomic Theory: Spring 2003
- Household Finance, Bankruptcy, and Credit: Spring 2004 (2), Fall 2004, Spring 2005, Spring 2006, Fall 2006, Spring 2008 (2)

### **STUDENT SUPERVISION**

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#### **Ph.D. dissertation supervision**

- Jéssica Dutra (May 2019 expected, Economists Incorporated)
- Yue Feng (2017, Nanjing University and Bank of Nanjing)
- Eric J. Hoffmann (2015, Rhodes College)
- Anne-Christine Barthel (2014, Randolph College)
- Andrew Monaco (2012, Colgate University)

#### **M.A. thesis supervision**

- John R. Crooker V (2017)

#### **Ph.D. dissertation committee member**

- Chaozheng Li (2018)
- Aslihan Demirkaya, Mathematics (2011)
- Zaier Aouani (2008)
- Yang Seung Lee (2008)

#### **Ph.D. third-year paper committee member**

- Pixiong Chen (2018)
- Xiyuan Liu (2018)
- Zeyan Shen (2017)
- Jéssica Dutra (2016)
- Eric Hoffmann (2012)
- Anne-Christine Barthel (2011)
- Andrew Monaco (2010)

### **Ph.D. independent study supervision**

- Uttiya Paul (2019)
- Bibekananda Mishra, mathematics (2018-19)
- Hoa Vu (Summer 2018)
- Michael Roberts (Fall 2014)
- Yue Feng (Fall 2013)
- Eric Hoffman (Fall 2011; Spring 2013)
- Anne-Christine Barthel (Spring 2010; Spring 2012)
- Andrew Monaco (Fall 2009; Spring 2011)

### **Undergraduate advising**

- John Higgins (2019)
- Ivan Davidson (Summer 2018)
- Megan Nelson (2013-14) (honors thesis committee member)
- Joshua Dean (2012-13)
- Matthew W. Dunlap (2009-10)
- Kedar S. Kulkarni (2003-04; honors thesis supervision)

### **SCHOLARLY PRESENTATIONS**

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#### 2018

- Southern Economic Association 88<sup>th</sup> Annual Meetings, Washington, DC (November 2018)
- Lancaster Game Theory Conference, Lancaster University (November 2018)
- 29th International Conference on Game Theory, Stony Brook University (July 2018)
- XXVII European Workshop on General Equilibrium Theory, Université Paris 1 Panthéon-Sorbonne (June 2018)
- Midwest Economic Theory meetings, Drexel University (May 2018)
- Kansas Workshop in Economic Theory, University of Kansas (May 2018)

#### 2017

- Midwest Economic Theory meetings, Southern Methodist University (November 2017)
- North American Summer Meeting of the Econometric Society, Washington University in St. Louis (June 2017)
- University of California at Santa Cruz, Department of Economics (April 2017)

#### 2016

- Midwest Economic Theory meetings, Purdue University (December 2016)
- 16<sup>th</sup> SAET Conference on Current Trends in Economics, IMPA, Rio de Janeiro, Brazil (July 2016)

#### 2015

- Time, Uncertainty, and Strategies, a Novo Tempus and Labex MME-DII Conference, Université Paris 1 Panthéon-Sorbonne (December 2015)
- Waseda Workshop on Game Theory and Related Topics, Waseda University (August 2015)
- East Asian Game Theory Conference 2015, Waseda University (August 2015)
- Université Paris 1 Panthéon-Sorbonne (April 2015)

## 2014

- Southern Methodist University, Department of Economics, Dallas (October 2014)
- Midwest Economic Theory meetings, University of Kansas (October 2014)
- Institute for Policy and Social Research, University of Kansas (September 2014)
- 14<sup>th</sup> SAET Conference on Current Trends in Economics, Waseda University, Tokyo, Japan (August 2014)
- Summer Workshop in Economic Theory, Université Paris 1 Panthéon-Sorbonne (June 2014)
- Midwest Economic Theory meetings, IUPUI, Indianapolis (May 2014)

## 2013

- 83<sup>rd</sup> Annual Meeting of the Southern Economic Association, Tampa, FL (November 2013)
- Midwest Economic Theory meetings, University of Michigan at Ann Arbor (October 2013)
- Econometric Society European meetings (EEA-ESEM), University of Gothenburg, (August 2013)
- 13<sup>th</sup> SAET Conference on Current Trends in Economics, MINES ParisTech, Paris, France (July 2013)
- Kansas Workshop on Economic Theory, University of Kansas (May 2013)
- Annual Meeting of the Royal Economic Society, Royal Holloway University of London (April 2013)

## 2012

- Conference on Theoretical Economics, University of Kansas (December 2012)
- Midwest Economic Theory meetings, Washington University in St. Louis (October 2012)
- Midwest Economic Theory meetings, Indiana University (May 2012)
- Annual Meeting of the Royal Economic Society, Cambridge University, (March 2012)

## 2011

- 81<sup>st</sup> Annual Meeting of the Southern Economic Association, Washington D.C. (November 2011)
- Midwest Economic Theory meetings, Vanderbilt University (October 2011)
- NSF/NBER Conference, University of Iowa (October 2011)
- Econometric Society European meeting, University of Oslo (August 2011)
- 11<sup>th</sup> SAET Conference, Ancao (Faro), Portugal (June-July 2011)
- North American Summer Meeting of the Econometric Society, Washington University in St. Louis (June 2011)
- Midwest Economic Theory meetings, University of Notre Dame (April-May 2011)

## 2010 and earlier

- Conference on Theoretical Economics, University of Kansas (December 2010)
- Rice University, Department of Economics (October 2010)
- Midwest Economic Theory meetings, University of Wisconsin-Madison (September 2010) (co-author)
- University of Kansas, Department of Economics (September 2010)
- Arizona State University, Department of Economics (September 2010)
- Midwest Economic Theory meetings session, "Topics in Game Theory 2," Kellogg School of Management, Northwestern University (May 2010)
- Behavioral and Quantitative Game Theory conference, Newport Beach, California, (May 2010)
- Southern Economic Association meeting session, "Games in many settings," San Antonio, Texas (November 2009)

- Economic Theory Workshop, University of Kansas (November 2009)
  - Far Eastern and South Asian meeting of the Econometric Society session, "Game Theory IV," University of Tokyo (August 2009)
  - GETA 2009 conference, Waseda University (July-August 2009)
  - 2009 SAET conference on current trends in economics, session, "Topics in Equilibrium Theory," Ischia, Italy (June-July 2009)
  - Sorbonne Workshop in Economic Theory, Paris School of Economics, Université Paris 1 Panthéon Sorbonne (June 2009)
  - Kansas Workshop on Economic Theory, University of Kansas (June 2009)
  - Midwest Economic Theory meetings session, "Game Theory I," University of Iowa (May 2009)
- 
- Conference in Theoretical Economics, University of Kansas (December 2008)
  - Cornerstone Research (February 2008)
  - SUNY-Plattsburgh, Department of Economics and Finance (February 2008)
  - Haverford College, Department of Economics (January 2008)
- 
- University of Kansas, Department of Economics (December 2007)
  - 54<sup>th</sup> Annual Regional Science Association International Meetings session, "Urban Economics," Savannah, Georgia, (November 2007)
  - Midwest Economic Theory meetings session, "Game Theory," University of Michigan at Ann Arbor (November 2007)
  - University of Idaho, College of Business and Economics (March 2007)
  - Penn State University, Worthington Scranton, Department of Economics (March 2007)
  - University of San Francisco, Department of Economics (February 2007)
  - University of Maryland, Baltimore County, Department of Economics (January 2007)
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- Texas A&M University, Department of Economics (October 2006)
  - Midwest Economic Theory meetings session, "General Equilibrium III," Purdue University (October 2006)
  - NBER/CEME/NSF Conference in General Equilibrium Theory, University of Kansas (October 2006)
  - Midwest Macro meetings session, "Default," Washington University in St. Louis (May 2006)
- 
- Washington University in St. Louis, Department of Economics (October 2005)
  - Queen's University, Department of Economics (September 2005)
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- Macalester College, Department of Economics (December 2004)
  - University of Texas at Austin, McCombs School of Business, Department of Finance, Brown Bag series (September 2004)
  - Delhi School of Economics (August 2004)
  - Management Development Institute, Department of Finance (August 2004)
  - Jawaharlal Nehru University, Department of Economics (August 2004)
  - Indian Statistical Institute, Economic Planning Unit (July 2004)
  - North American Summer Meetings of the Econometric Society session, "General Equilibrium: Incomplete Markets, Observable Restrictions, and Identification," Brown University (June 2004)
  - First General Equilibrium Theory Asia Conference, Keio University (June 2004)
  - Ursinus College, Department of Business and Economics (January 2004)

- ASSA meetings, SGE session, “Understanding Investment Incentives Using Real Options Techniques,” San Diego, California (January 2004)
- UT-ITAM conference, Instituto Tecnológico Autónomo De México, Department of Economics (October 2003)
- Econometric Society summer meetings session, “Real Options,” Northwestern University (July 2003)
- University of Texas at Austin, Department of Economics, Summer Research series (June 2003)
- University of Texas at Austin, McCombs School of Business, Department of Finance, Brown Bag series (May 2003)
- ASSA meetings, SGE session, “Bankruptcy Theory and Policy,” Washington, D.C. (January 2003)
- Subprime Lending Symposium, Credit Research Center, Georgetown University, Washington, D.C. (September 2002)
- University of Texas at Austin, Department of Economics (September 2002)
- General Equilibrium Conference, New York University (April 2000)
- University of Melbourne, Department of Economics (March 2000)
- University of Auckland, Department of Economics (March 2000)
- Federal Reserve Board, Research and Statistics, Washington, D.C. (February 2000)
- Universitat Pompeu Fabra, Department of Economics (February 2000)
- Stanford Institute of Theoretical Economics, Stanford University (July 1999)

## PROFESSIONAL SERVICE

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- **Committee service**
  - Argersinger Dissertation Award Committee, University of Kansas (2018-present)
  - Department Executive Committee (2010-12, 2016-present)
  - Executive Council of Graduate Faculty, University of Kansas (2018-present)
  - Faculty Evaluation Committee (2009-11, 2013-14, 2018-present)
  - General Research Fund Competition Evaluation Committee, University of Kansas (2018-present)
  - Graduate Program Committee (2009-10 and 2013-16 (member), 2016-present (chair))
  - Graduate Studies Advisory Committee, Office of the Provost, University of Kansas (2019-present)
  - Ph.D. mathematics preparation evaluation group (2008-present)
  - Ph.D. Admissions Committee (2011-2016 (member), 2016-present (chair))
  - Ph.D. Qualifying Exam Committee (2008-2016 (member), 2016-present (chair))
  - Website Committee, Chair (2018-present)
  - Colloquium Committee, Chair (2015-16)
  - Computer and Technology Committee (2008-13)
  - M.A. Admissions/Policy Committee (2009-10)
  - Sabbatical Committee (2009-10)
  - Undergraduate Program Committee (2013-15)



- **Conferences organized**

- 2019 Kansas Workshop in Economic Theory (May 2019)
- 2018 Kansas Workshop in Economic Theory (May 2018)
- 2017 Kansas Workshop in Economic Theory (May 2017)
- 2016 Kansas Workshop in Economic Theory (May 2016)
- Fall 2014 Midwest Economic Theory and International Trade Meetings (October 2014)
- 2014 Kansas Workshop in Economic Theory (May 2014)
- 2013 Kansas Workshop in Economic Theory (May 2013)
- 2012 Kansas Workshop in Economic Theory (May 2012)
- 2011 Kansas Workshop in Economic Theory (June 2011)
- 2010 Kansas Workshop in Economic Theory (June 2010)
- 2009 Kansas Workshop in Economic Theory (June 2009)

- **Additional conference participation**

Sessions organized and chaired:

- Session 3.A.32 organizer and chair “Games With Strategic Complements and Substitutes”, SEA 88<sup>th</sup> Annual Meetings, Washington, DC (November 2018)
- Session 2-B chair, Midwest Economic Theory meetings, Purdue University (December 2016)
- Session organizer and chair, “Monotone Methods,” 16<sup>th</sup> SAET Conference on Current Trends in Economics, IMPA, Rio de Janeiro, Brazil (July 2016)
- Session, “Game Theory,” 83<sup>rd</sup> Annual Meeting of the Southern Economic Association, Tampa, FL (November 2013)
- Session, “Game Theory,” Midwest Economic Theory meetings, University of Michigan at Ann Arbor (October 2013)
- Session, “Industrial Organization,” Midwest Economic Theory meetings, Washington University in St. Louis (October 2012)
- Session, “Topics in Game Theory I,” Midwest Economic Theory meetings, Vanderbilt University (October 2011)
- Session, “Economic Theory,” North American Summer Meetings of the Econometric Society, Washington University in St. Louis (June 2011)
- Session, “Mechanism Design,” Midwest Economic Theory meetings, University of Notre Dame (April 2011)
- Session, “Micro Theory Mix I,” Second Annual Economics Graduate Student Conference (Washington University in St. Louis, September 2007)
- Sessions “Default,” and “Labor Policy,” Midwest Macro Meetings, Washington University in St. Louis (May 2006)

Discussant:

- Conference on Theoretical Economics, University of Kansas (December 2011)
- Summer Workshop in Economic Theory (SWET 11), Paris School of Economics, July 2011
- Southern Economic Association meetings, November 2009
- GETA 2009 conference, July-August 2009
- ASSA-SGE session, January 2004
- UT-ITAM conference, Mexico City, October 2003
- Murray S. Johnson Conference, University of Texas at Austin, February 2003

Attendee:

- 2016 Hal White Antitrust Conference, Washington, D.C., June 2016, June 2017

- NBER Universities Research Conference, Cambridge, December 2008
- ASSA conference (January 2000, 2004, 2005, 2007, 2008, 2011, 2019)
- **Referee service**
  - *Acta Applicanda Mathematicae*
  - *Annals of Finance*
  - *The B. E. Journal of Theoretical Economics*
  - *Canadian Journal of Economics*
  - *Chilean National Science and Technology Commission*
  - *Computational Economics*
  - *Econometrica*
  - *Economics Bulletin*
  - *Economic Inquiry*
  - *Economic Journal*
  - *Economic Theory*
  - *El Trimestre Economico*
  - *Games and Economic Behavior*
  - *International Economic Review*
  - *Israel Science Foundation*
  - *Journal of Economic Behavior & Organization*
  - *International Journal of Game Theory*
  - *Journal of Economic Behavior & Organization*
  - *Journal of Economic Theory*
  - *Journal of Environmental Economics and Management*
  - *Journal of Financial Intermediation*
  - *Journal of Mathematical Economics*
  - *Journal of Public Economic Theory*
  - *Macroeconomic Dynamics*
  - *Mathematical and Computational Applications*
  - *National Science Foundation*
  - *Review of Economic Studies*
  - *Southern Economic Journal*
  - *Theoretical Economics*

#### **HONORS AND AWARDS**

- De-Min and Chin-Sha Wu Faculty Award, University of Kansas (2018)
- Inducted in Who's Who in Social Sciences Academia (February 2009)
- Graduate Division summer fellowship, University of California at Berkeley (1997)
- Graduate Academic Scholarship, University of Cincinnati (1989-1991)
- Gold Medal and Merit Scholarship, Punjabi University (1989)
- Finisher, San Francisco Marathon (1997)

#### **OTHER INFORMATION**

- Affiliations: American Economic Association, Econometric Society, Game Theory Society, Society for Advancement of Economic Theory, Southern Economic Association, Beta Gamma Sigma
- Citizenship: U.S.A.