

RAJA KALI

Department of Economics
Sam M. Walton College of Business
University of Arkansas, Fayetteville
AR 72701. USA

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<https://sites.uark.edu/kali/>

EXPERIENCE AND AFFILIATIONS

Department of Economics, Sam M. Walton College of Business, University of Arkansas

Professor (2014-Present)

ConocoPhillips Chair in International Economics and Business (2009-Present)

Chair, Department of Economics (2018-Present)

Faculty Director of MBA Programs (2016-2018)

Associate Professor, (2005-2014)

Director of Graduate Studies in Economics (2010-2012, 2004-2008)

Assistant Professor (1999- 2004)

CIRANO, Montreal

Fellow, Program in Strategy and International Economy (2012-Present)

Instituto Tecnológico Autónomo de México (ITAM)

Assistant Professor, School of Business (1996 -1999)

EDUCATION

Ph.D., Economics, University of Maryland at College Park, September 1996.

M.A., Economics, University of Maryland at College Park, May 1994.

M.A., Economics, Delhi School of Economics, University of Delhi, May 1991.

B.SC., Economics (Honors), Mathematics, Statistics, University of Calcutta, May 1989.

FIELDS OF INTEREST

Industrial Organization, Development Economics, International Trade

Networks in Trade and Finance

Economics & Finance of Emerging Markets

TEACHING AREAS

Microeconomics, Industrial Organization, Emerging Markets (UG)

Economics of Management & Strategy, Managerial Economics (MBA)

Information Economics & Game Theory (PhD)

Industrial Organization (PhD)

PUBLICATIONS

“Community evolution in patent networks: technological change and network dynamics,” (with Yuan Gao, Zhen Zhu and Massimo Riccaboni), *Applied Network Science*, 3:26, 2018.

“Socio-Economic Mobility and Air Passenger Demand in the U.S.” (with Christian Hofer and Fabio Mendez), *Transportation Research Part A*. Vol. 112, June 2018.

“The Burden of Glory: Non-Monetary Incentives in Rank-Order Tournaments” (with David Pastoriza and Jean-François Plante). *Journal of Economics and Management Strategy*. 27(1), Spring 2018.

“Friendship, not Altruism: An Economic Theory with Cross-Cultural Applications,” (with Amy Farmer), *Review of Social Economy*. 76(1), 2018.

“Structure and Evolution of Global Cluster Networks: Evidence from the Aerospace Industry,” (with Ari Van-Assche and Ekaterina Turkina). *Journal of Economic Geography*, 16(6), November 2016.

“Collegiality in Organizations: An Economic Approach to Organizational Citizenship Behavior,” (with Amy Farmer), *Economics and Sociology*, 9(2), 2016.

“The Nature of the Business Group: Power, Relational Contracts and Scope,” *Journal of Interdisciplinary Economics*, 25(1&2), June 2014.

“Growth Networks,” (with Javier Reyes, Josh McGee and Stuart Shirrell). *Journal of Development Economics*, 101, March 2013.

“Diversification and Tunneling: Evidence from Indian Business Groups,” (with Jayati Sarkar). *Journal of Comparative Economics*, 39(3), September 2011.

“Have Community Banks Reduced Home Foreclosure Rates?” (with Kathy Fogel and Tim Yeager). *Journal of Banking and Finance*, 35(9), September 2011.

“Financial Contagion on the International Trade Network” (with Javier Reyes). *Economic Inquiry*, 48(4), October 2010.

“Legal Systems, Information Asymmetry and Firm Boundaries: Cross-Border Choices to Diversify Through Mergers, Joint Ventures, or Strategic Alliances” (with Tomas Jandik). *Journal of International Business Studies*, 40(4), May 2009.

“Economic Progress, Social Regress? A Small World Approach” (with Amy Farmer),

Journal of Public Economic Theory, 9(3), August 2007.

"The Architecture of Globalization: A Network Approach to International Trade" (with Javier Reyes), *Journal of International Business Studies*, 38(4), July 2007.

"Trade Structure and Economic Growth" (with Javier Reyes and Fabio Mendez), *Journal of International Trade and Economic Development*, 16(2), June 2007.

"Connected Lending: Thailand before the Financial Crisis," (with Chutatong Charumilind and Yupana Wiwatanakantang), *Journal of Business*, 79(1), January 2006.

"Business Groups, the Financial Market and Modernization," *Economics of Transition*, 11(4), November 2003.

"The City as a Giant Component: A Random Graph Approach to Zipf's Law," *Applied Economics Letters*, 10(11), September 2003.

"Contractual Governance, Business Groups and Transition," *Economics of Transition*, 10(2), July 2002.

"Financially Interlinked Business Groups," (with Maitreesh Ghatak), *Journal of Economics and Management Strategy*, Vol. 10, No. 4. Winter 2001.

"Endogenous Business Networks," *Journal of Law, Economics and Organization*, Vol. 15, No. 3, October 1999.

"Guanxi versus the Market: Ethics and Efficiency" (with Steve Lovett and Lee Simmons), *Journal of International Business Studies*, Volume 30, No. 2, Summer 1999.

"Minimum Advertised Price," *Journal of Economics and Management Strategy*, Vol. 7, No. 4, 1998.

"Business Networks in Transition Economies: Norms, Contracts and Legal Institutions," in Assessing the Value of Law in the Economic Transition from Socialism, Edited by Peter Murrell. University of Michigan Press. 2001.

"Diversified Business Groups in Emerging Economies," (with Maitreesh Ghatak). *Money and Finance*. Oct-Dec 2000.

WORK IN PROGRESS

Rethinking the Aid-Growth Relationship: A Network Approach, (with Andy Horowitz and Hongwei Song). In-Progress.

Divergence of Fortune: The Unequal Effects of Economic Liberalization in India (with Jayati Sarkar). In-Progress.

Political Connections, Social Network Investment and Entrepreneurship (with Nisvan Erkal). In-Progress.

RESEARCH GRANTS

French Bureau of Labor (Pole Emploi), "Occupational Networks and Regional Unemployment," (with Flora Bellone, Catherine Laffineur & Charlie Joyez), 2018-19.
GEO International Research and Teaching Grant, 2013.
Bank of America James H. Penick Research Grant for Banking and Finance. 2008-2009.
Principal Investigator, National Science Foundation Grant for "Organizational Architecture and Institutional Context." 2003-2006.
Bank of America James H. Penick Research Grant for Banking and Finance. 2005-2006.
Bank of America James H. Penick Research Grant for Banking and Finance. 2003-2004.
Bank of America James H. Penick Research Grant for Banking and Finance. 2002-2003.
Bank of America James H. Penick Research Grant for Banking and Finance. 2000-2001.

AWARDS AND HONORS

Faculty Gold Medal, Office of Nationally Competitive Awards, University of Arkansas, 2015.
Outstanding Student Mentor, Office of Nationally Competitive Awards, University of Arkansas, 2015.
Certificate for Outstanding Teaching, Wally Cordes Teaching and Faculty Support Center, University of Arkansas, 2011.
All-Around (Research, Teaching & Service) Outstanding Faculty Award, Sam M. Walton College of Business, University of Arkansas, 2010.
Nominee, Student Govt. / Alumni Board University-Wide Outstanding Teacher Award. 2003.
Recipient, Associated Student Govt. / Alumni Board University-Wide Outstanding Teacher Award. 2002.
Nominee, Student Govt. / Alumni Board University-Wide Outstanding Teacher Award. 2000.
Excellence in Teaching Award, MBA program, ITAM. Spring 1998, Winter 1997, Spring 1997.
Excellence in Teaching Award, Undergraduate, ITAM. Spring 1999
Dissertation Fellowship, Department of Economics, University of Maryland. 1994-95.
K. A. Naqvi Memorial Scholarship, Delhi School of Economics, 1990-91.
National Merit Scholarship, Delhi School of Economics, 1989-90.
Shriram Traveling Summer Fellowship, Delhi School of Economics, 1990.
Ghosal Medal for 1st Class Honors in B.SC., R. K. M. Residential College, University of Calcutta, 1989.
Dhiresw Bhattacharya Medal for highest GPA in B.SC. Economics Honors Program, R. K. M. Residential College, University of Calcutta, 1989. Summa Cum Laude.

INVITED SHORT-TERM VISITING POSITIONS

Visiting Researcher, Université Côte d'Azur, France, March 2018.
Visiting Researcher, IMT Lucca, Italy, March 2017.
Visiting Professor, Department of International Business, HEC Montreal, Jan-Dec 2012.
Visiting Researcher, Department of Economics, University of Melbourne. June-July 2010.
Visiting Researcher, Indian Institute of Foreign Trade, Kolkata Campus. June 2009.
Visiting Research Fellow, Indian School of Business, Hyderabad, India. June-Sept. 2006.
Visiting Researcher, Department of Economics, University of Melbourne. Nov-Dec 2005.
Visiting Researcher, Center for Economic Institutions, Hitotsubashi University, Tokyo. June-July 2000.

PROFESSIONAL SERVICE

Executive Committee and Treasurer, Association for Indian Economic and Financial Studies (AIEFS)

CIRANO Workshop on Networks in Trade and Finance, Organizer and Program Committee, 2012 (Montreal), 2013 (Montreal), 2014 (Fayetteville), 2015 (Montreal), 2016 (Fayetteville), 2017 (Montreal).

Editorial Board Member, *Economies*, 2012-Present

Editor, Special Issue on "Social Networks and Economic Development," *Journal of Interdisciplinary Economics*, January 2014 issue

Referee Work:

American Economic Review, *Academy of Management Review*, *Economics of Transition*, *European Economic Review*, *Economic Inquiry*, *Economic Modeling*, *International Journal of Industrial Organization*, *Journal of Banking & Finance*, *Journal of Comparative Economics*, *Journal of Development Economics*, *Journal of Economic Dynamics & Control*, *Journal of Economics and Management Strategy*, *Journal of International Trade & Economic Development*, *Journal of Financial Stability*, *Journal of Law, Economics and Organization*, *Journal of Public Economics*, *National Science Foundation*, *Physica A*, *Review of Economic Studies*, *World Development*.

PERSONAL INFORMATION

U.S. Citizen.
Dual citizen of India.

Hyunseok Jung

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Department of Economics
426 Business Building, Fayetteville, AR 72701

Phone: (479) 575 2668
Email: hjo20@uark.edu
Homepage: <https://hyunseokjung.weebly.com>

Current Position

Assistant Professor, Department of Economics, University of Arkansas. (Aug. 2018 -)

Education

Ph.D., Economics, Syracuse University, May 2018.
M.A., Public Administration, Syracuse University, 2015.
M.A., Development Policy, Korea Development Institute, 2014.
B.A., Agricultural Economics, Seoul National University, 2008.

Fields of Interest

Theoretical & Applied Econometrics (Production & Efficiency Analysis; Spatial & Network Econometrics; Big-data/Large-dimensional Models & Shrinkage Estimation)

Peer Reviewed Journal Articles

1. Stochastic Frontier Models with Network Selectivity (with W. Horrace). *Journal of Productivity Analysis*, Forthcoming.

Working Papers

1. Adaptive LASSO for Stochastic Frontier Models with Many Efficient Firms
2. Network Competition and Team Chemistry in the NBA (with W. Horrace and S. Sanders, *Submitted*)
3. Police Officer Experience and Racial Bias in Traffic Stops (with W. Horrace and S. Rohlin, *Submitted*)

In Progress

1. Model Selection via SSE Ratios (with Y. Lee)
2. Social Interactions in NYC Elementary Schools (with W. Horrace, A. Swartz & J. Presler)
3. Peer Effects in Policing (with W. Horrace and S. Rohlin)
4. Crowding In or Out: the Structure of Market Competition and Cooperation in a Grocery Store Chain (with D. Gauri)
5. Machine Learning for Basketball +/- & Economic Implication of Game Predictability in the NBA (with J. Willbanks)

Presentations

2018: FSU, U of Nevada(Reno), U of Arkansas(Fayetteville), 10th NAPW, IAAE 2018 (Montreal), MEG (Madison)

2017: 15th EWEPA(London), SUNY Albany, RPI, SUNY Binghamton, Union College

Experience

Research: Research Associate for W. Horrace (Aug. 2016 - May. 2018)

Teaching: Teaching Assistant, Syracuse Univ. (Jan. 2015 - May 2016): Mathematics for Economists, International Trade, Mathematical Micro, Principles of Economics

Government: Deputy Director, Ministry of Land and Transport, Korea (2008 - 2012)

Directing: Cinema Academy, Korea (Directing a Short Film "Blue Frog", 2007)

Military: Incheon Fire Station, Korea (Alternative Military Service, 2003-2005)

Awards & Fellowships

W.E.B. Du Bois Mentee, National Institutes of Justice (2017 - 2018)

Syracuse University Graduate Assistantship (May 2015 - May 2018)

Second Place in the Best Paper Competition at the 15th EWEPA (2017)

Korean Government Overseas Study Fellow (2013-2014)

Service & Others

Referee: Journal of Productivity Analysis, Empirical Economics

Discussant: Economics of Crime and Policing Symposium (Syracuse Univ.)

Outreach: Chung-Ang Univ. (Korea)

Citizenship: Republic of Korea, F-1 visa

Languages & Skills: English (Fluent), Korean (Native) & Matlab, R, Stata, \LaTeX

References

William C. Horrace
Distinguished Professor
Economics, Syracuse Univ.
(315) 443-9061
whorrace@maxwell.syr.edu

Alfonso Flores-Lagunes
Professor
Economics, Syracuse Univ.
(315) 443-9045
afloresl@maxwell.syr.edu

Yoonseok Lee
Associate Professor
Economics, Syracuse Univ.
(315) 443-9529
ylee41@maxwell.syr.edu

Jingping GU

Office: (479)575-6621
Cell: (479)799-7219
Email: jgu@uark.edu
web: <http://comp.uark.edu/~jgu>

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Fayetteville, AR 72701-1201

CURRENT EMPLOYMENT

University of Arkansas , Fayetteville, AR. <i>Assistant Professor</i> , Department of Economics	Aug. 2008-2015
University of Arkansas , Fayetteville, AR. <i>Associate Professor</i> , Department of Economics	Aug. 2015-present

FIELDS OF SPECIALIZATION

Applied Econometrics, Applied Macroeconomics and Monetary Economics, International Economics.

EDUCATION

Texas A&M University , College Station, TX Ph.D. in Economics.	2003-2008
Peking University (CCER) , Beijing, P.R.China M.A. in Economics.	1998-2001
Renmin University of China , Beijing, P.R.China B.A. in Economics.	1993-1997

PUBLICATIONS

- [1] David Swanson, Brent Willams, Jingping Gu, Matthew Waller, 2016. Full Steam Ahead: Firms in the U.S. Economy Adjust Inventory for Changes in Transportation Costs but not the Reverse. *Transportation Journal*, Volume 55, Number 3, 2016, pp.282-295.
This paper is selected for the **Best Paper Award** for *Transportation Journal* during the 2016-2017 time period
- [2] Jingping Gu, Qi Li and Jui-Chung Yang, 2015. Multivariate Local Polynomial Kernel Estimators: Leading Bias and Asymptotic Distribution. *Econometric Reviews*, 34, 979-1010, 2015.
- [3] Jingping Gu and Zhongwen Liang, 2014. Testing cointegration relationship in a semiparametric varying coefficient model. *Journal of Econometrics*, 178: January 2014, pp. 57-70.
- [4] Jingping Gu, Qi Li and Jian Yang, 2013. Fiscal Deficits and Mean Reversion in Real Exchange Rates. *Economics letters*, Volume 118, Issue 2, February 2013, pp. 300-303.
- [5] Cary Deck and Jingping Gu, 2012. Price increasing competition? Experimental evidence. *Journal of Economic Behavior and Organization*, 84(3), December 2012, pp. 730-740.
- [6] Qi Gao, Jingping Gu, and Paula Hernandez-Verme, 2012. A semiparametric time trend varying coefficients model: with an application to evaluate credit rationing in the U.S. credit market. *Annals of Economics and Finance*, 13-1, 195-216 (2012).

- [7] Jingping Gu, Juan Lin and Dandan Liu, 2011. Estimating the average treatment effect based on direct estimation of the conditional treatment effect. *Advances in Econometrics*, Volume 27A, pp.289-311.
- [8] Yu Zhang, Jingping Gu, and Qi Li, 2011. Nonparametric Panel Estimation of Online Auction Price Process. *Empirical Economics*, Volume 40, Issue 1, February 2011, pp. 51-58.
- [9] Zongwu Cai, Jingping Gu and Qi Li, 2009. Some recent development on nonparametric econometrics. *Advances in Econometrics*, Volume 25, pp. 495-549.
- [10] Jingping Gu, Dingding Li and Dandan Liu, 2007. A bootstrap nonparametric significance test. *Journal of Nonparametric Statistics*, Volume 19, Numbers 6-8, pp. 215-230(16).

PAPERS UNDER REVIEW

- Jingping Gu and Dennis W. Jansen, Evidence on asymmetric gasoline price response from error correction model with GARCH errors.
- Jessica Darby, Brent Williams, Jingping Gu and Andrew McKenzie, Farm-Level Operations Decisions in the Rice Industry: The Implications of Futures Markets.

SELECTED WORKING PAPERS AND WORK IN PROGRESS

- Estimating average treatment effects with discrete covariates (with Dennis W. Jansen).
- Household credit and monetary policy transmission in a general equilibrium model (with Javier Reyes).
- Search, credit card rate and consumer behavior.
- Nonlinear mean reversion in real exchange rate and predictability.
- Nonlinear cointegration and puzzle of present value model.
- Foreign direct investment and income distribution (with Ka Zeng).
- Scale of economies, cost function and efficiency in the interstate natural gas transmission industry: 1977-1985.
- Unbanization, financial deepening and money demand in developing economy.

GOVERNMENT AND POLICY REPORTS

- | | |
|---|------|
| <i>Deflation in China: 1998-2000</i> | 2001 |
| <ul style="list-style-type: none"> • Project sponsored by the National Natural Science Foundation of China. | |
| <i>The implications of 10th five-year-plan of China for Hong Kong's economic development</i> | 2000 |
| <ul style="list-style-type: none"> • Project sponsored by the Central Policy Unit, Hong Kong SAR Government. | |
| <i>Opportunities and challenges of Hong Kong as an international financial center</i> | 1999 |
| <ul style="list-style-type: none"> • Project sponsored by Hong Kong Research Center. | |

TRANSLATIONS

- The Business Planning Guide, 7th edition, Tian Jin Ren Min Press, 1998. (English to Chinese)

OTHER ACADEMIC ACTIVITIES

Referee for

• *Biometrika* • *Economic Inquiry* • *Econometrics Journal* • *Energy Journal* • *Journal of Econometrics*, • *Journal of Economic Behavior and Organization*, • *Journal of Nonparametric Statistics* • *The B.E. Journal of Economic Analysis & Policy*

Recent Conferences and Presentations

- 2014 International Association for Applied Econometrics (IAAE) Annual Meeting.
- 2013 China meeting of the Econometric Society, Western Economic Association International Annual Meeting, Southern Economic Association Annual Meeting.
- Before 2013 Western Economic Association International Annual Meeting, Southern Economic Association Annual Meeting, Financial Management Association Annual Meeting, University of Arkansas, The University of Texas at El Paso, Kent State University, Sam Houston State University, PTSAFE workshop, Macro and International Economics workshop (Texas A&M University), Econometrics Camp XI.

TEACHING EXPERIENCE

Economics Department, University of Arkansas

- *instructor*, Forecasting Fall 2008-2014
- *instructor*, International Trade Fall Spring 2008-2014
- *instructor*, Econometrics III (Time Series Analysis) Spring 2009-2014
- *instructor*, Chinas Foreign Trade and International Order: History, Policy, and Theory Fall 2013

Economics Department, Texas A&M University

- *instructor*, Intermediate Macroeconomics 2006
- *instructor*, Introduction to Econometrics 2007
- *Teaching and research assistant* of professor Badi Baltagi, Econometric II (Ph.D. level). Holding review session once a week. 2005
- *Research assistant* of professor Qi Li. Programming in Gauss and Matlab. 2005-2006
- *Teaching assistant* of professor Hae-shin Hwang, Econometrics III (Ph.D. level) 2005
- *Teaching assistant* of professor Dror Goldberg (Financial Economics). 2004

FELLOWSHIPS, HONORS AND AWARDS

- *Full Steam Ahead: Firms in the U.S. Economy Adjust Inventory for Changes in Transportation Costs but not the Reverse* selected for the **Best Paper Award** for *Transportation Journal* during the 2016-2017 time period. 2017
- Dean's Excellent Research Funds, Sam M. Walton College of Business, University of Arkansas. 2012
- Honors College Curriculum Development Grants, University of Arkansas. 2011
- Sutton Research Fund, Sam M. Walton College of Business, University of Arkansas 2009-2010
- STATA Graduate Student Research Award, StataCorp LP 2007-2008
- Joan Shin Research Award, Texas A&M University 2007-2008

- Bradley Fellowship, Private Enterprise Research Center, Texas A&M University 2006-2007
- Gail Frey Monson Memorial Scholarship, Texas A&M University 2006
- Texas A&M University Graduate Assistantship 2003-2007

COMPUTER SKILLS

Proficient with: Gauss, Matlab, Stata, Eviews, N-program, R-program.

Familiar with: SAS, Mathematica.

COMMITTEE SERVICES

- Department Graduate Committee (2013-2014)
- New Faculty Search Committee (2013-2014, 2012-2013, 2010-2011)
- Honors College research grant reviewers (2012)
- Placement and Co-op Advisory Committee (2008-2012)
- New Graduate Students Search Committee (2011-2012, 2010-2011)
- Macroeconomics Comprehensive Exam Committee (2009-2013)
- Forecasting Club (2010-2011)
- Diversity Plan Committee (2010)
- Seminar Coordinator (2011-present)
- Honor Student Thesis Committee: John Lehoczky (2013-2014, advisor); Michael J. Nero (2013-2014, advisor).
- Graduate Students Thesis Committee: Denniel Elkins (2008-2009, Committee Chair); Justin Estep (2009-2010, Committee Chair). Huang Huang (2008-2009, Committee Member); Jennifer Martin (2008-2009, Committee Member); Robert Cheek (2008-2009, Committee Member).
- Ph.D. Students Thesis Committee: Jennifer Hafer (Committee Member); Hongwei Song (Committee Member); Jared Reber (Co-advisor).

PROFESSIONAL PROGRAM

Passed Chartered Financial Analyst (CFA) level I exam.

Financial databases: Reuters and Bloomberg.

WORK EXPERIENCE

Associate, Investment Bank and Research Department, Bank of China International (BOCI),
Beijing/Shanghai/Hong Kong, China 2001-2003

Asia, Pulp Paper (APP) debt restructure project

- The largest debt restructure project before Enron.
- Analyzed debt structure and recommended reconstruction plan during due diligence process.

California Cedar Products Company (Calcedar) acquisition project

- Arranged the entire acquisition process of Calcedar's purchase of a listed company in China.

- Scheduled the due diligence process; verified book entries; evaluated firms' cash flow.
- Built the financial forecasting and asset pricing model.
- Attended the negotiation process and improved communication between the parties.

Private Placement project of Shenzhen Water (Group) Co., Ltd.

- As financial advisor of Shenzhen Water Group, took part in the executive process as a main member.
- Analyzed the financial data, built the financial forecasting and asset pricing model.
- Searched and analyzed outside investors.

Research assistant of Dr. Yuanzheng Cao, Chief Economist of BOC International

- Research analyst on utility industrial, focusing on energy and water industrial.
- Research analyst on macroeconomics.
- Assembled reports for major clients.

Financial analyst, China Construction Bank

1997-1998

- China Construction Bank is one of the four largest commercial banks in China.
- Performed project evaluation and risk management.

REFERENCES

Available upon request.

ACADEMIC EXPERIENCE

Assistant Professor. *Department of Economics, University of Arkansas.* (August 2013-Present).

EDUCATION

PhD, Economics. University of Southern California. May 2013

MPhil, Economics. Cambridge University. 2002.

Graduate Diploma, Economics. Cambridge University. 2001.

BA, Computer Science, University of California at Berkeley. 1996

RESEARCH INTERESTS

Development Economics, Experimental Economics, Program Evaluation, and Social Networks.

PEER-REVIEWED PUBLICATIONS

“Remittance, Child Labor, and Schooling: Evidence from Colombia” (with Andres Cuadros Menaca), *Forthcoming, Economic Development and Cultural Change*.

“Skill Transferability, Migration and Development: Evidence from Population Resettlement in Indonesia” (with Samuel Bazzi, Alexander Rothenberg, and Maisy Wong), 2016, *The American Economic Review* 106(9).

“Rethinking Indonesia’s Informal Sector” (with Alexander Rothenberg, Nicholas E. Burger, Charina Chazali, Rini Radikun, Indrasari Tjandraningsih, Cole Sutera, and Sarah Weiland), 2016, *World Development* 80.

“Improving Education Quality Through Enhanced Community Participation: Results from A Randomised Field Experiment in Indonesia”. (with Menno Pradhan, Daniel Suryadarma, Amanda Beatty, Maisy Wong, Armida Alisjahbana, and Rima Artha), 2014, *AEJ: Applied Economics* 6 (2).

SELECTED WORKING PAPERS

“Unity in Diversity? How Intergroup Contact Can Foster Nation Building (with Samuel Bazzi, Alexander Rothenberg, and Maisy Wong). 2018 (Revision requested, *The American Economic Review*).

“The Long Term Effects of Delayed School-going Age: Evidence from Indonesia” (with Saurabh Singhal). 2018

“The Determinants of Urban Sprawl: Evidence from Indonesia” (with Andrea Civelli). 2018.

“Improving Mobility in Developing Country Cities: Evaluating Bus Rapid Transit and Other Policies in Jakarta” (with Tadeja Gracner and Alex Rothenberg). 2017

“Are Stable Networks Stable? Experimental Evidence” (substantially revised from “The Strategic Formation of Networks: Experimental Evidence”). (with Juan Carrillo). 2016.

“Connectivity and Electoral Competitiveness: Evidence from Indonesia’s Presidential Election (with T. Yudo Wicaksono)

“Uniter or Divider? Religion and Social Cooperation: Evidence from Indonesia”. 2016

“The Effect of Proximity to Parks on Childhood Obesity” (with Yiwei Qian, Rodolfo M. Nayga Jr, Michael R. Thomsen, Grant H. West and Heather L. Rouse). 2015.

- "Integration and Trade Specialization in East Asia". (with Yose Damuri and Raymond Atje). CSIS WPE 094. 2006.
- "Properties of Fixed Effects Dynamic Panel Data Estimators for a Typical Growth Dataset". CSIS WPE 062. 2002.
- "Information and Social Networks in Village Economies". CSIS WPE 063. 2002.

WORK IN PROGRESS

- The Spatial Dimension of Urbanization* (with Andrea Civelli). Best Paper for the World Bank's East Asia Urban Data competition.
- Improving service delivery in remote and isolated areas in Indonesia* (with Menno Pradhan, Jan Priebe, and Dewi Susanti).

OTHER PUBLICATIONS

Non Peer-Reviewed Papers

- "Macroeconomic Overview: Accelerating Growth, Maintaining Stability". 2004. *Indonesian Quarterly* 32(3). (with Ari Perdana).
- "Social Implications of the Indonesian Economic Crisis." 2003. *Indonesian Quarterly* 31(2).
- "Economic Adjustment and the Forestry Sector in Indonesia." 2003. *Indonesian Quarterly* 31(2). (with Kurnya Roesad).
- "Indonesia's Labour Market during the Crisis: Empirical Evidence from the Sakernas, 1997-1999". 2000. *Indonesian Quarterly* 28(3). (with Tubagus Feridhanusetyawan).
- "Pendidikan di Indonesia Sebelum dan Semasa Krisis" (Education in Indonesia before and during the crisis). *Analisis CSIS* 24(3). 2000.

Chapters

- "Civil Service Reform in Boalemo District, Gorontalo Province." 2006. In Stefan Nachuk and Susannah Leisher (eds.), *Making Services Work for the Poor: Nine Case Studies from Indonesia*. Jakarta: World Bank.
- "Healthcare Insurance Reform in Jembrana, Bali." (with Laila Kuznezov). In Nachuk and Leisher (*op. cit.*).
- "Creating Learning Communities for Children in the Polman District, West Sulawesi." (with Nachuk, Leisher). In Nachuk and Leisher (*op. cit.*).
- "Indonesia." 2005. In *Southeast Asia Regional Outlook 2005-2006*. Singapore: ISEAS.
- "Indonesia." 2000. In *Confronting Climate Change: Economic Priorities and Climate Protection in Developing Nations*, Washington DC: National Environment Trust.

Reports

- Village Capacity in Maintaining Infrastructure: Evidence from Rural Indonesia*. 2010. Jakarta: World Bank.
- Indonesia Commerce Report*. 2007. New York: Economist Intelligence Unit.
- GAM Reintegration Needs Assessment*. 2006. Jakarta: World Bank. (with Patrick Barron, Samuel Clark, and Matthew Zurstrassen).

Op-eds/Book reviews

- Published in Indonesian national newspapers: *Kompas*, *Bisnis Indonesia* and *Jakarta Post*.

TEACHING

Instructor

Econometrics I (PhD economics sequence). (Fall: 2013-14, 2016-18)
 Development Economics (Graduate) (Spring: 2014-18, Fall: 18)
 Development Economics (Undergraduate) (Spring: 2014-18; Fall: 2016-17)
 Managerial Economics. Prasetiya Mulya Graduate School of Management, Jakarta, Indonesia.
 (Sep 2003 – May 2004)
 Economics Training for Policy Makers. Institute for Economics and Social Research. Faculty of
 Economics, University of Indonesia. *Occasional appointment*. (2005-07)

Teaching Assistant

Evaluating Social programs. MIT-JPAL/World Bank Jakarta Summer Course. (June 2008)
 Economics of Less Developed Countries. USC. (Fall 2009)
 Economic Development of the Middle East. USC. (Fall 2009)
 Economic Policy Issues. USC. (Spring 2009)
 Principles of Microeconomics. USC. (Fall 2007, Spring & Fall 2008, Spring 2010)
 Principles of Macroeconomics. USC. (Fall 2009, Spring 2010)

SCHOLARSHIPS, FELLOWSHIPS AND AWARDS

2018-Present Faculty Fellow, Assoc. for Analytical Learning about Islam and Muslim Societies
 2018 *World Bank Economic Review* Excellence in Refereeing Award 2017
 2017 Visiting Fellow, UNU WIDER, Helsinki (Summer)
 2015 Best Paper for the World Bank East Asia Urban Data Competition (with A. Civelli)
 2012-2018 Junior Fellow, Assoc. for Analytical Learning about Islam and Muslim Societies
 2012-2013 USC Graduate School Dissertation Completion Fellowship
 2011-2012 Advanced Fellowship, USC Department of Economics
 2011 Summer Research Fellowship, USC Department of Economics
 2010 Best Third-Year Paper Award, USC Department of Economics
 2010-2011 Wallis Annenberg Fellowship for Research on Women and Family (\$25,000)
 2010-2012 American-Indonesian Cultural and Education Foundation Fellowship
 2007-2009 USC Teaching Assistant Awards
 2008-2009 Honorary mention for Teaching Excellence, USC Department of Economics
 2002 Citibank Cambridge Scholarship
 2001 British Chevening Award
 1998 Visiting Fellow, Australian National University, Canberra

PROFESSIONAL ACTIVITIES

Conference and seminars

(* denotes invited, ** denotes scheduled)

2018: Urban Economics Association Conference, Columbia University**
 Population Association of America (PAA) Meeting, Denver, Colorado
 Association of Religion, Economics and Culture (ASREC) at Chapman U
 2017: Centre for Strategic and International Studies, Jakarta*
 Sam Houston State University*
 UNU WIDER, Helsinki
 DIAL Development Conference, University of Paris-Dauphine, Paris
 Midwest International Economic Development Conference, U. of Wisconsin, Madison
 2016: Southern Economic Association Meeting, Washington DC
 Walton-CIRANO Workshop on Networks in Trade and Finance at the U. of Arkansas.
 Bank Indonesia, Jakarta*

- Forum Kajian Pembangunan* at CSIS Jakarta*
 UNU-WIDER Human Capital and Growth Conference at UNU-WIDER
 Association of Religion, Economics and Culture (ASREC) Europe at U of Copenhagen
 Midwest International Economic Development Conference at U. of Minnesota
- 2015: Centre for Strategic and International Studies, Jakarta*
 World Bank, Washington DC*
 Duke-ERID Advances and Applications of Spatial Equilibrium in Economics
- 2014: Northeast Universities Development Consortium (NEUDC) at Boston University.
 Walton-CIRANO Workshop on Networks in Trade and Finance at the U. of Arkansas.
 NBER Development Conference
- 2013: Indonesia Focus 2013 at University of Pittsburgh.
 North American Economics Science Association Conference at UC Santa Cruz.
 National University of Singapore.
 Nanyang Technological University.
 University of Arkansas.
- 2012: Northeast Universities Development Consortium (NEUDC) at Dartmouth College.
 Graduate Student Workshop, Institute for the Study of Religion, Economics, and Society (IRES) at Chapman University.
 USC Development Economics Seminar.
 Graduate Student Workshop, The Association for Analytic Learning on Islam and Muslim Societies (AALIMS) at Stanford University.*
 Pacific Development Economics (PacDev) Conference at UC Davis.
 Association of Religion, Economics and Culture Annual Meeting (ASREC) at Chapman Uni.
- 2011: USC Experimental Laboratory Meeting.
 Tanoto Foundation, Jakarta.*
- 2010: Indonesian National Planning Agency, Jakarta.
 Pacific Development Economics (PacDev) Conference at USC.
- 2006: Atma-Jaya University, Yogyakarta.*
 2003: ASEAN-EC Management Institute, Brunei Darussalam.*

Referee. *ASEAN Economic Bulletin, Economic Inquiry, Games and Economic Behavior, IZA Journal of Development and Migration, Journal of Comparative Economics, Journal of Economic Behavior and Organization, Journal of Economic Inequality, Journal of Public Economics, Journal for the Scientific Study of Religion, Review of Development Economics, Social Science and Medicine – Population Health, Southern Economic Journal, Urban Affairs Review, World Development, World Bank Economic Review.*

Professional Affiliations and Services:

Member, *American Economic Association, Urban Economics Association.*
 Junior Search Committee, 2017-18, *Department of Economics, U. of Arkansas*
 Program Committee, 2014-17 *Walton-CIRANO Workshop on Networks in Trade and Finance*
 Program Committee, 2015 *Indonesian Regional Science Associations conference*
 Program Committee, 2013 *Pacific Conference of the Regional Sci. Assoc. International*

Supervised students:

Graduate:

Andres Cuadros Menaca (2017, Assistant Professor, Universidad ICESI, Colombia),
 Yiwei Qian (Co-chair, 2014, Postdoc, Agricultural Economics, U of Arkansas)
 Alexander Ugarov
 Yefan Nian (Masters' thesis)

Undergraduate:

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OTHER RESEARCH EXPERIENCE

Consultant, *World Bank, Jakarta* (2017)

Consultant, RAND Corporation. (May-Dec 2014)

Consultant, GRM International Pty. Ltd., Brisbane, Australia. (2013-2015)

Monitoring and Evaluation Consultant. *World Bank, Jakarta* (2004 –2012).

Research Assistant. *Indonesia Family Life Survey*. (Summer 2008).

Freelance Author, Economist Intelligence Unit, Ltd., London (Oct 2006 – Jan 2007).

Research Economist, CSIS, Jakarta (1997 – 2007).

Researcher, *Pelangi Indonesia, Jakarta* (1997 –2000; Nov 2002 – Jan 2003).

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EDUCATION: Ph.D., in Economics (fields: Industrial Organization, Econometrics, Public Finance),
University of North Carolina-Chapel Hill, 1988

B.A. *cum laude*, in Economics, University of Wisconsin-Madison, 1980

EXPERIENCE: University Professor, University of Arkansas, 2012-

Lewis E. Epley, Jr. Professor of Economics, 2000-

Visiting Researcher, IESEG School of Management, Fall 2016

Associate Dean for Undergraduate Programs, Walton College of Business, 2012-2014

Chair, Department of Economics, 2009-2012

Professor, University of Arkansas, 2003-2012

Lecturer, ESC-Toulouse, 2001-2008

Visiting Professor, American University, Spring 2007

Adjunct Professor, Clinton School of Public Service, 2003-2007

Associate Professor, University of Arkansas, 1995-2003

Invited Associated Professor, University of Melbourne, Summer 2000

Visiting Scholar, Board of Governors of the Federal Reserve System, Spring 2000

Invited Scholar, Université Robert Schumann, Summers 1997, 1998, 1999

Assistant Professor, University of Arkansas, 1993-1995

Visiting Professor, Economics Institute/INTAN, Kuala Lumpur, Malaysia, Summer 1994

Visiting Professor, John Cabot University, Italy, Summer 1993

Assistant Professor, Southern Methodist University, 1987-1993

Fulbright Scholar, Università di Padova, Italy, January-June 1992

Visiting Lecturer, North Carolina State University, 1985-1986

HONORS & AWARDS: Phi Beta Kappa (1979), Phi Kappa Phi (1979), Omicron Delta Epsilon (1980), J. William Fulbright Research Award (Italy; 1992), J. William Fulbright Travel Award (Sweden; 1992), Phi Beta Delta (1993), Worthen Banking Research Award (1994), Beta Gamma Sigma (1994), Phillips Petroleum Outstanding Research Award (1995), H.L. Hembree Best “All-Around” Faculty Award (1996), Sigma Xi (1998); *Who’s Who in Economics* (2002), *Journal of Econometrics* All-Star Paper, Walton College of Business Excellence in Teaching Award (2006), Inducted into the Teaching Academy (2006), Walton College of Business Excellence in Service Award (2009), Walton College Outstanding Team Award (2010), Walton College of Business Excellence in Diversity Initiatives Award (2011), Honors College Leadership Award (2014).

“Hospital Capacity in Large Urban Areas: Is There Enough In Times of Need?” (with H. Leleu and

- V. Valdmanis), *Journal of Productivity Analysis* **32**, 2009.
- “Efficiency and Productivity Changes in Large Urban Hospitals 1994-2002: Ownership, Markets, and the Uninsured” (with V. Valdmanis), 2007 in *Hospital Productivity* (edited by J.L.T. Blank and V. Valdmanis). Amsterdam: North-Holland/Elsevier.
- “Analysis of Uncompensated Hospital Care Using a DEA Model of Output Congestion” (with R. Rosko and V. Valdmanis), *Health Care Management Science* **9**, 2006.
- “The Economic Benefit of Goal Congruence and Implications for Management Control Systems” (with M.L. Bouillon, M.T. Stuebs Jr., and T.D. West), *Journal of Accounting and Public Policy* **25**, 2006.
- “Do Hospital Mergers Increase Productivity and Scale Efficiency” (with V. Valdmanis), *Journal of the Operational Research Society* **55**, 2004.
- “Comparing French and US Hospital Technology: A Directional Distance Function Approach” (with B. Dervaux, H. Leleu, and V. Valdmanis), *Applied Economics* **36**, 2004.
- “Economic and Behavioral Determinants of Tax Compliance: Evidence from the 1997 Arkansas Tax Penalty Amnesty Program,” (with C.M. Ritsema and D.W. Thomas), *IRS Statistics of Income Research Bulletin*, 2003.
- “The Indian Sugar Industry,” in *Sugar and Related Sweetener Markets: International Perspectives*, Schmitz, Andrew, Thomas H. Spreen, William A. Messina, Jr., and Charles B. Moss (eds.), Wallingford, UK: CAB International, 2002.
- “Exploring Psychiatric Hospital Performance Using Data Envelopment Analysis and Cluster Analysis” (with V. Valdmanis), *Journal d'Economie Medicale* **20**, 2002.
- “Mutual Funds and Institutional Investments: What is the Most Efficient Way to Set Up Individual Accounts in a Social Security System” (with E. James, J. Smalhout and D. Vittas), in *Administrative Costs and Social Security Privatization* (NBER Conference Volume), John B. Shoven (ed.), University of Chicago Press, 2000. (Article was translated and published in Chinese.)
- "Can We Bootstrap DEA Scores?" (with J. Hirschberg), *Journal of Productivity Analysis* **11**, 1999.
- “Comment on Hughes, Land, Mester and Moon and Cummins, Tennyson and Weiss,” *Journal of Banking and Finance* **23**, 1999.
- "The Efficiency of TVA Power Distributors" (with T. Claggett), *Managerial and Decision Economics* **19**, 1998.
- "Static and Dynamic Productivity among Yugoslav Enterprises: Components and Correlates" (with M. Klinedinst and C.B. Linvill), *Journal of Comparative Economics* **28**, 1998.
- “La Eficiencia de los Ferrocarriles Mexicanos, 1945-1985” (with Jorge Ibarra Salazar), *Revista Comercio Exterior* **48**, 1998.
- “Consistency Conditions for Regulatory Analysis of Financial Institutions: A Comparison of Frontier Efficiency Methods” (with P.W. Bauer, A.N. Berger and D.B. Humphrey), *Journal of Business and Economics* **50**, 1998.
- "The Choice of a Technical Efficiency Measure on the Free Disposal Hull Reference Technology: A Comparison Using US Banking Data" (with B. DeBorger and K. Kerstens), *European Journal*

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"Bootstrapping Confidence Intervals for Linear Programming Efficiency Scores: With an Illustration Using Italian Banking Data" (with J.G. Hirschberg), *Journal of Productivity Analysis* **8**, 1997.

"Scale Economies, Cost Efficiencies and Technological Change in Federal Reserve Payments Processing" (with P.W. Bauer), *Journal of Money, Credit, and Banking* **28**, 1996.

"Best-Practice Technology in an Adverse Environment" (with M.J. Ferrantino), *Journal of Economic Behavior and Organization* **29**, 1996.

"Rural Hospital Performance and Its Correlates" (with V. Valdmanis), *Journal of Productivity Analysis* **7**, 1996.

"Organizational Form and Productive Efficiency" (with M.J. Ferrantino and C.B. Linvill), *Journal of Comparative Economics* **21**, 1995.

"A Switching Frontier Model for Imperfect Sample Separation Information--With an Application to Constrained Labor Supply" (with K.M. Conway and S.M. Douglas), *International Economic Review* **36**, 1995.

"Technical Efficiency of the Vacuum-Pan Sugar Industry in India: An Application of a Stochastic Frontier Production Function Using Panel Data," (with M.J. Ferrantino), *European Journal of Operational Research* **80**, 1995.

"Radial and Nonradial Technical Efficiency Measures on a DEA Reference Technology: A Comparison Using US Banking Data" (with K. Kerstens and P. Vanden Eeckaut), *Recherches Économiques de Louvain* **60**, 1994.

"Ownership Type, Property Rights and Relative Efficiency," in *Data Envelopment Analysis: Theory, Methodology and Applications*, A. Charnes, W. Cooper and A. Lewin, editors, Kluwer Academic Publishers, 1994, pp. 273-283.

"Global Optimization of Statistical Functions with Simulated Annealing" (with W. Goffe and J. Rogers), *Journal of Econometrics* **60**, 1994.

"Economies of Diversification in the Banking Industry: A Frontier Approach" (with S. Grosskopf, K.J. Hayes and S. Yaisawarng), *Journal of Monetary Economics* **31**, 1993. (Reprinted in *The Regulation and Supervision of Banks, Vol. IV: Regulation and Efficiency in Banking*, M.J.B. Hall (ed.), Williston, VT: Edward Elgar Publishing, Inc.)

"Comments on Pi and Timme, Grabowski *et al.*, and Färe and Primont," *Journal of Banking and Finance* **17**, 1993.

"Measures of Climate Control Efficiency" (with J.G. Hirschberg), *Energy Journal* **13**, 1992.

"Simulated Annealing: An Initial Application in Econometrics" (with W. Goffe and J. Rogers), *Computer Science in Economics and Management* **5**, 1992.

"Global Optimization of Statistical Functions: Preliminary Results" (with W. Goffe and J. Rogers), in *Computational Economics and Econometrics*, H.M. Amman, D.A. Belsey and L.F. Pau, editors, Kluwer Academic Publishers, 1992.

"The Productive Efficiency of US Milk Processing Cooperatives" (with P.K. Porter), *Journal of Agricultural Economics* **42**, 1991.

"Measuring Cost Efficiency in Banking: Econometric and Linear Programming Evidence" (with C.A.K. Lovell), *Journal of Econometrics* **46**, 1990. (Named an "All-Star Paper" by the *Journal of Econometrics* based on citations, 1990-1999.)

OTHER PUBLICATIONS:

"Structure, Performance, and Conduct in the Mutual Fund Industry: Some Implications for Banks" (with James Smalhout), *Corporate Governance: Implications for Financial Services Firms, Proceedings of the 39th Annual Conference on Bank Structure and Competition*, 2003.

"Blowing Smoke in Washington," *Arkansas Democrat-Gazette*, July 6, 1998.

"Access Fees are too High," *Arkansas Democrat-Gazette*, May 16, 1997.

"Competition for Local Telephone Service Needed," *Northwest Arkansas Times*, May 6, 1997.

Evaluation of Child Abuse Prevention Projects in Oklahoma (with R.F. Hill, R.C. Goldsteen, K. Goldsteen and V. Valdmánis), Oklahoma State Department of Health, 1994.

"Cable Reregulation Isn't the Answer," *Dallas Morning News*, November 26, 1991, p. 14A.

"Estimating Economies and Efficiencies in Production" (with C.A.K. Lovell), in *American Statistical Association 1987 Proceedings of the Business and Economics Statistics Section*, 1987.

PROFESSIONAL ACTIVITY:

Board of Editors, *Atlantic Economic Journal*

Invited Seminars:

Board of Governors of the Federal Reserve System
Stockholm School of Economics, Sweden
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John Cabot University, Italy
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Referee: *American Journal of Agricultural Economics*; *Annals of Operations Research*; *Canadian Journal of Economics*; *Computers and Operations Research*; *Econometric Reviews*; *Empirical Economics*; *European Journal of Operational Research*; *International Journal of Industrial Organization*; *Journal of Business and Economics*; *Journal of*

Comparative Economics; Journal of Cost Analysis; Journal of Economic Education; Journal of Economics and Business; Journal of Financial Services Research; Journal of Money, Credit, and Banking; Journal of Productivity Analysis; Management Science; Managerial and Decision Economics; Operations Research; Quarterly Review of Economics and Finance; Review of Financial Economics; Scandinavian Journal of Economics; Southern Economic Journal; Journal of the Operational Research Society

Member: American Economic Association (AEA), Southern Economic Association (SEA), International Atlantic Economic Society (IAES), Association of Latino Professionals (ALPFA).