## Lee Edward Ohanian

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## Fields of Specialization

Macroeconomics, International Economics.

#### Education

Ph.D.	Economics	University of Rochester, 1993
M.A.	<b>Economics</b>	University of Rochester, 1992
B.A.	Economics	U.C. Santa Barbara, 1979, with high honors

## **Primary Faculty Appointments**

2000 – Present, Professor of Economics, UCLA. (Vice Chair 2000-2004, 2006).

1999 – 2000, Associate Professor of Economics, UCLA.

1995 – 1999, Assistant and Associate Professor of Economics, University of Minnesota.

1992 – 1995, Assistant Professor of Economics, University of Pennsylvania, Philadelphia, PA.

### Research and Visiting Appointments

2011 – Present, Senior Fellow, Hoover Institution, Stanford University

2011, Sam B. Cook Visiting Professor of Economics (Inaugural Chair Holder), Washington University, St. Louis

2010 – Present, Associate Director, Center for the Advanced Study in Economic Efficiency, Arizona State University

2010, John Weatherall Distinguished Fellow, Department of Economics, Queen's University

2009, Cowles Foundation Fellow, Department of Economics, Yale University

2007 - Present, Co-Director, (with Jeremy Greenwood), NBER Working Group "Macroeconomics Across Time and Space"

2003 - Present, Research Associate, National Bureau of Economic Research

## Industry Experience

- 1982 88 Vice President and Economist, Security Pacific National Bank, Los Angeles, CA
- 1981 82 Senior Research Analyst, Continental Airlines, Los Angeles, CA.

## **Public Policy Consulting**

1993 – Present Consultant to various Federal Reserve banks and international central banks in other countries

## Honors, Fellowships, and Prizes

2001 - 2017	Scoville Distinguished Teaching Prize, UCLA
2012 – Present	Fellow, Society for the Advancement of Economic Theory
1994 - 1996	Lawrence R. Klein Fellow, University of Pennsylvania
1991	Distinguished Teaching Prize, University of Rochester
1990	Kaplan Prize, University of Rochester

## External Research Grants

2014 - 2015	Manhattan Institute Grant, "Quantitative History of the American Economy"
2001 - 2005	NSF Grant, "The Macroeconomic Effect of New Deal Policies"
1998 - 2000	Alfred P. Sloan Foundation Fellowship
1997 -1999	NSF Grant, "Topics in Applied Macroeconomics"

## Peer Reviewed Journal Publications

"Bad Investments and Missed Opportunities? Capital Flows to Latin America and Asia", with Paulina Restreppo and Mark Wright, *American Economic Review*, December, 2019.

"The Impact of Foreclosure Delay on U.S. Employment", *Review of Economic Dynamics*, January 2019.

Can't Pay or Won't Pay? Unemployment, Negative Equity, and Strategic Default", with Kris Gerardi, Kyle Herkenhoff, and Paul Willen, *Review of Financial Studies*, Volume 31, Issue 3, March 2018, Pages 1098–1131,

"The Great Recession in the Shadow of the Great Depression", 2017, *Journal of Economic Literature*, volume 55, no. 4, pages 1583-1601.

"The Impact of Monetary Policy in the Midst of Big Shocks", *Journal of Economic Dynamics and Control* 49, pages 35-48, 2014

"Aggregate Hours Worked in OECD countries: New Measurement and Implications for Business Cycles," with Andrea Raffo, *Journal of Monetary Economics*, Elsevier, 59, pages 40-56, 2012.

"Labor Market Dysfunction during the Great Recession," with Kyle Herkenhoff, *Cato Papers on Public Policy*, Volume 1, 2011

"Does Neoclassical Theory Account for the Effects of Big Fiscal Shocks? Evidence from World War II", with Ellen McGrattan, 2010, *International Economic Review*, Volume 51, Issue 2, May, pp. 509-532.

"The Economic Crisis from a Neoclassic Perspective', *Journal of Economic Perspective*, Fall, 2010, pp 45 – 66.

"What – or Who – Caused the Great Depression?" 2009, *Journal of Economic Theory*, Volume 144, Issue 6, November, pp. 2310-2335.

Long Term Changes in Labor Supply and Taxes: Evidence from OECD Countries, 1956 - 2004", with Andrea Raffo, and Richard Rogerson, 2008, *Journal of Monetary Economics*, 1353-1362.

"Why Have Business Cycle Fluctuations Become Less Volatile?" 2007, with Andres Arias and Gary Hansen, *Economic Theory*, vol. 32(1), pp 43-58.

"Latin America in the Rear View Mirror", *Journal of Monetary Economics*, with Harold Cole, Alavaro Riascos, and James Schmitz, February, 2005, reprinted in *Quarterly Review*, Federal Reserve Bank of Minneapolis, September, 2006.

"Trend-Reverting Fluctuations in the Life Cycle Model", *Journal of Economic Theory*, with Costas Azarariadis and James Bullard, March 2005.

"New Deal Policies and the Persistence of the Great Depression: A General Equilibrium Analysis, *Journal of Political Economy*, with Harold Cole, August, 2004.

"The Demand for Money and the Nonneutrality of Money", *Journal of Monetary Economics*, vol 49, Issue 4, May 2002, pp 653-686, with Harold Cole.

- "Unit Roots, Trend Breaks, and Transitory Dynamics: A Macroeconomic Perspective", *Macroeconomic Dynamics*, vol. 6, no. 5, November 2002, with Lutz Kilian.
- The Great U.K. Depression: A Puzzle and Possible Resolution", *Review of Economic Dynamics*, January, 2002, pp. 19-44 with Harold Cole. Reprinted in *Neoclassical Studies of Great Depressions*, Timothy Kehoe and Edward Prescott, eds., Federal Reserve Bank of Minneapolis, 2007.
- "Capital-Skill Complementarity and Inequality: A Macroeconomic Analysis", *Econometrica*, September, 2000, 1029 1054, with Per Krusell, Jose Victor Rios-Rull, and Giovanni Violante, reprinted in *Recent Developments in Growth Theory*, Daron Acemoglu, editor, Edward Elger Publishing, 2005.
- "Dynamic Equilibrium Economics: A Framework for Comparing Models and Data", *Review of Economic Studies*, July 1998, vol. 65, (3), pp. 433-452, with Frank Diebold and Jeremy Berkowitz.
- "Short-Run Independence of Monetary Policy under Pegged Exchange Rates and Effects of Money on Exchange Rates and Interest Rates", *Journal of Money, Credit, and Banking*, vol. 29, (4), part 2, 1997, pp. 783 806, with Alan Stockman.
- "The Macroeconomic Effects of War Finance in the United States: World War II and the Korean War", *American Economic Review*, vol. 87, (1), 1997, pp. 23-40.
- "Postwar British Economic Growth and the Legacy of Keynes", *Journal of Political Economy*, vol. 3, (105), 1997, pp. 439 472, with Thomas Cooley.
- "The Effects of Real and Monetary Shocks in a Business Cycle Model with Some Sticky Prices", *Journal of Money, Credit and Banking*, vol. 27, (4), Part 2, November 1995, pp. 1209 1234, with Alan Stockman and Lutz Kilian.
- "The Cyclical Behavior of Prices, *Journal of Monetary Economics*" 28, 1991, pp. 25 60, with Thomas Cooley.
- "A Note on Spurious Inference in a Linearly Detrended Vector Autoregression," *The Review of Economics and Statistics*, August, 1991, pp. 568 571.
- "The Impact of Stochastic and Deterministic Trends on Money-Output Causality, a Multi-Country Investigation", *Journal of Econometrics*, 45, 1990, pp. 291 308, with Robert Krol.
- "The Spurious Effects of Unit Roots on Vector Autoregressions: A Monte Carlo Study", *Journal of Econometrics*, November, 1988, pp. 251 266.

## Research Papers Under Review

"The Impact of Cartelization, Money, and Productivity Shocks on the International Great Depression", with Hal Cole, revise and resubmit, revision in preparation for resubmission to *Journal of Political Economy* 

"The Rust Belt: A Macroeconomic Analysis", with Simeon Alder and David Lagakos, revise and resubmit, revision in preparation for resubmission to *Journal of Political Economy*.

#### Current Research

"Structural Methods in Historical Macroeconomics", with Gary Hansen, Jaeyoung Jang, and Faith Ozgurk, forthcoming in *Handbook of Historical Economics*, Alberto Bisin and Federico Giovanni, editors, Elsevier.

"The Impact of Commercial Land-Use Regulations on the U.S. Economy", with Fil Babelesky, Kyle Herkenhoff, and Ed Prescott in progress.

"Capital-Skill Complementarity and Inequality After 25 Years", with Shihan Shen and Musa Orak, in progress.

"Hours Worked and Business Cycles in the OECD", with Andrea Raffo, Richard Rogerson, and Gonzalo Llosa, in progress.

"Understanding Ireland's Growth Miracle", in progress, with Chris Edmond.

#### **Books**

*Restoring Prosperity*, edited by Jesus Fernandez-Villaverde, Lee E. Ohanian, and John B. Taylor, under review at Oxford University Press.

Turbulent Times: Economic Policies and the American Economy between the World Wars, with Harold L. Cole, in progress.

Government Polices and the Delayed Economic Recovery, editor, with John B. Taylor and Ian Wright, 2012, Hoover Press

The Macroeconomic Effects of War Finance in the United States, 1998, Garland Press: New York.

#### **Book Chapters**

- "Neoclassical Models in Macroeconomics", *The Handbook of Macroeconomics*, John Taylor and Harald Uhlig, editors, 2018, Elsevier Science Publishers.
- "Economic Growth, Business Cycles, and Economic Policies", forthcoming in *The Oxford Handbook of American Economic History*, Louis Cain, Price Fishback, and Paul Rhode, editors, Oxford University Press.
- "Inequality Solutions", in *Inequality and Economic Policy: Essays in Memory of Gary Becker*, Tom Church, Chris Miller, and John Taylor, editors, Hoover Institution Press, 2015.
- "The Macroeconomic Impact of the New Deal" in *The Seminal Works of the Great Depression*, Randall Parker, editor, 2014, Edward Elgar.
- "Government Intervention during Financial Crises", in "Public Economics in the United States", with Matt Luzetti, Steve Payson, editor, 2014, Prager Publishing.
- "Why the U.S. Economy Has Failed to Recover and What Policies Will Promote Growth," with Kyle Herkenhoff, in *Government Policies and the Delayed Economic Recovery*, Lee E. Ohanian, John B. Taylor, and Ian Wright, editors, Hoover Press, 2012.
- "The General Theory After 75 Years: The Importance of Being in the Right Place at the Right Time", with Matt Luzzetti, 2011, in *Keynes's General Theory: 75 Years Later*, Thomas Cate, editor, Edward Elgar Press.
- "The Great Depression", in *The New Palgrave Dictionary of Economics*, 2008.
- "Back to the Future with Keynes", 2008, in *Revisiting Keynes*, Lorenzo Pecchi and Gustavo Piga, eds., 2008, forthcoming, MIT Press, reprinted in *Quarterly Review*, Federal Reserve Bank of Minneapolis, July, 2008, pp. 10 16.
- "The Great Depression in the United States from a Neoclassical Perspective", (revised and updated), in *Great Depressions of the 20<sup>th</sup> Century*, Federal Reserve Bank of Minneapolis, Tim Kehoe and Edward Prescott, editors, 2007.
- "The Great Depression in the United States from a Neoclassical Perspective", *Quarterly Review*, Federal Reserve Bank of Minneapolis, Winter 1999, pp. 2-24, with Harold Cole, reprinted in *The Handbook of Fiscal Policy*, 2007, Dekker Publishing, Jack Rabin and Glenn Stevens, editors.
- "Re-Examining the Contribution of Money and Banking Shocks to the U.S. Great Depression", with Harold Cole, *NBER Macroeconomics Annual*, 2001, pp. 183-227, MIT Press, Ben Bernanke and Kenneth Rogoff, editors.
- "Shrinking Money and the Effectiveness of Monetary Policy", in *Challenges for Central Banking*, pp. 229-246, 2001, Kluwer, Anthony Santomero, Staffan Viotti, and Anders Vredin,

editors.

"Simulation-Based Estimation of a Four Factor Latent Variable Production Function", with Giovanni Violante, Per Krusell, and Jose Victor Rios-Rull in *Simulation Methods in Econometrics*, Cambridge University Press, Roberto Mariano, Til Schuermann, and Melvyn Weeks, editors., 2000, pp. 359-399.

#### **Other Publications**

"It's Real Growth", in *Hoover Digest*, Winter, 2019, pp. 22-25

"Sunny Delusions", in *Hoover Digest*, Fall, 2018, pp. 169-174.

"Economic Growth, Business Cycles, and Economic Policies", forthcoming in *The Oxford Handbook of Economic History*.

"The Effect of Foreclosure Delay on the U.S. Labor Market", 2016 *Economic Policy Paper*, Federal Reserve Bank of Minneapolis.

"Comment on "Fiscal Discriminations in Three Wars", Journal of Monetary Economics, 2014.

"Pay with Promises or Pay as You Go? Lessons from the Death Spiral of Detroit", with Tom Holmes, *Economic Policy Paper*, 2014, Federal Reserve Bank of Minneapolis.

"The Mismeasure of Inequality", with Kip Hagopian, *Hoover Policy Review*, 2011, August, no. 174.

"Accounting for the Great Recession", *Economic Policy Paper*, 2011, Federal Reserve Bank of Minneapolis

"Macroeconomic Paradigm Shifts and Keynes's General Theory", with Matt Luzzetti, Vox, http://www.voxeu.org/article/macroeconomic-paradigm-shifts-and-keynes-s-general-theory

"Discussion of Goodfriend", in Journal of Monetary Economics, 2010.

"Discussion of: "What Fiscal Policy is Effective at Zero Interest Rates?", *NBER Macroeconomics Annual*, Daron Acemoglu and Mike Woodford, eds., 2011.

"Understanding Economic Crises: The Great Depression and the 2008 Recession", *Economic Record*, Volume 86, September, 2010, pp. 2-6.

"Capital Flows and Macroeconomic Performance: Lessons from the Golden Era of International Capital Flows", with Mark L.J. Wright, 2010, *American Economic Review Papers and Proceedings*, May, pp. 68-72.

- "The Impact of the Employee Free Choice Act on the U.S. Economy", American Enterprise Institute Economic Policy Studies, April 23, 2010, http://www.aei.org/paper/100107
- "The Spanish Crisis from a Neoclassical Perspective", with Jesus Villaverde, in The Spanish Economic Crisis, pp. 75 159, Samuel Bentolila, Michele Boldrin, Javier Diaz-Gimenz and Juan Dolado, eds., 2010, Foundation for Applied Economic Studies of Spain.
- "A Different View of the Great Depression's Causes", VOX, October 19, 2009, http://www.voxeu.org/index.php?q=node/4105
- "Where the New Deal Went Badly Wrong", with Harold L. Cole, *Milken Institute Review*, July, 2009.
- "On Model Fit and Model Selection", 2007, *Review*, Federal Reserve Bank of St. Louis, pp. 361-370.
- "Liquidity Shocks and the Great Depression", Journal of Money, Credit, and Banking, 2003.
- "The Great U.S. and U.K. Great Depressions through the Lens of Neoclassical Theory", *American Economic Review Papers and Proceedings*, May, 2002.
- "Why Did Productivity Fall so Much During the Great Depression?, *American Economic Review Papers and Proceedings*, May, 2001, p. 34-38, reprinted in *Quarterly Review*, Federal Reserve Bank of Minneapolis, Spring 2002, pp. 12-17.
- "Are Phillips Curves Useful for Inflation Forecasting?", *Quarterly Review*, Federal Reserve Bank of Minneapolis, Winter, 2001, pp. 2-11.
- "Aggregate Returns to Scale: Why Measurement is Imprecise", *Quarterly Review*, Federal Reserve Bank of Minneapolis, Summer 1999, pp. 19-26, with Harold Cole.
- "The Defining Moment: A Review Essay", *Journal of Political Economy*, February 1998, pp. 178-185.
- "How Capital Taxes Harm Economic Growth: Britain Versus the United States", *Business Review*, Federal Reserve Bank of Philadelphia, July/August 1997, pp. 17-27.
- "Are Data on Industry Evolution and Gross Job Turnover Relevant for Macroeconomics?", *Carnegie Rochester Conference on Public Policy Series*, (44) June, 1996, pp. 215 250, with Andy Atkeson and Aubhik Khan.
- "When the Bubble Bursts: Psychology or Fundamentals?", *Business Review*, Federal Reserve Bank of Philadelphia, January, 1996, pp. 3 -13, reprinted in *Problémes économiques*, Direction

de la Documentation Française.

"Theoretical Issues of Liquidity Effects", *Quarterly Review*, Federal Reserve Bank of St. Louis, vol. 77 (3) May/June 1995, pp. 3 – 25, with Alan Stockman.

"Short Run Effects of Money When Some Prices are Sticky", *Quarterly Review*, Federal Reserve Bank of Richmond, 80 (3), Summer, 1994, pp. 1 – 23, with Alan Stockman.

"Evaluating Trends in Aggregate Time Series: A Monte Carlo Based Forecasting Approach", in *Advances in Econometrics*, T. Fomby and G. Rhodes, eds., JAI Press, 1990, pp. 323 - 342.

"VAR Priors and Economic Theory", *Proceedings of the American Statistical Association*, 1987, pp. 423 – 426, with Gerald Nickelsburg.

"Changes in Labor Force Participation of Persons 55 and Over Since World War II: Their Nature and Causes", in *Aging and Technological Advances*, P. Robinson et al., eds., New York: Plenum Press, 1984, pp. 89 – 97, with Eileen Crimmins and Richard Easterlin.

#### Book Reviews

The ABCs of RBCs: An Introduction to Dynamic Macroeconomic Models, by George McCandless, *Journal of Economic Literature*, December 2009, Volume XLVII, Number 4, pp. 1129 – 1132.

### Interviews

Interview with Russ Roberts of EconTalk, *Ohanian on the Great Recession and the Labor Market*, http://www.econtalk.org/archives/2012/08/ohanian\_on\_the.html

Interview with Randall Parker, in *The Economics of the Great Depression*, Edward Elgar Publishers, 2007.

Interview with *Economic Dynamics* on "The Great Depression", 2000, issue number 2.

### **Editorial Articles**

See www.leeohanian.com

#### **Editorial Positions**

Co-Editor, *Macroeconomic Dynamics*Associate Editor, *Econometrica*Associate Editor, *Review of Economic Dynamics* 

Associate Editor, *BE Journal of Macroeconomics*Associate Editor, *Macroeconomic Dynamics*Associate Editor, *New Palgrave Dictionary of Economics* 

### **Professional Activities**

## 1. Referee Activity

Referee for American Economic Review, Journal of Political Economy, Econometrica, Review of Economics Studies, Quarterly Journal of Economics, and other professional journals.

### 2. Economics Panel Member

National Science Foundation, 2002-2006

### 3. Organization of Conferences

- 1995 Organizer for Federal Reserve Bank of Philadelphia Conference on Monetary Policy, Philadelphia, Pennsylvania.
- 2003 Organizer, 2003 SED Annual Conference, Paris, France.
- 2007 Co-Organizer, Conference to honor Robert Lucas, University of Chicago.
- 2012 Co-Organizer, Conference on Delayed Recoveries, Stanford University
- 2015 Co-Organizer, Conference on  $800^{\rm th}$  Anniversary of Magna Carta, Stanford University
- 2016 Co- Organizer, Conference on Restoring Prosperity, Stanford University

## Plenary/Keynote Lectures

Plenary Lecture, Annual Meeting of New Zealand Economic Association, 2021

Alan Stockman Memorial Lecture, University of Rochester, 2018.

"Great Depressions", Plenary Lecture, Brazilian Econometric Society, 2015

"Past and Present Economic Crises", McGee Policy Lecture, Vanderbilt University, 2014

"Myths and Facts about the Great Depression", Annual Policy Forum, Federal Reserve Bank of Philadelphia, 2013.

"Tax Policies and Economic Growth", Keynote speech at the Annual Meeting of the American Legislative Exchange Council, 2013.

"The Rust Belt", Midwest Macroeconomic Meetings, University of Illinois, 2013

"Myths about Inequality", Sinquefeld Foundation Lecture, St. Louis University, 2013

"Depressions, Crises, and Economic Policy: The 1930s and Today", Inaugural Lloyd Cole Lecture, Washington University, St Louis, 2012

"Economic Crises", Canadian Macroeconomic Meetings, 2011, Vancouver

"The Great Depression and the Great Recession", Economic History Annual Meeting, 2009

"Understanding the Great Depression and the Recession of 2007-09", Annual Conference of Australian Economists, 2009.

"New Deal Policies: The Wrong Policies at the Wrong Time, presented at The Conference Celebrating Milton Friedman's 90<sup>th</sup> Birthday, University of Chicago, November, 2002.

"Neoclassical Studies of Great Depressions: Puzzles and Progress", presented at the Annual Meeting of the Society of Economic Dynamics, June, 2002.

"New Deal Policies and the Persistence of the Great Depression in the United States: Implications for Argentina", presented at the Central Bank of Argentina Policy Conference, August, 2001.

#### Public Service

Economic Advisor, Jeb Bush presidential campaign, 2015-16.

Economic Advisor, Mitt Romney presidential campaign, 2012.

Economic Advisor, John McCain campaign, 2008.

Testimony on Unions and Economic Performance, presented to the U.S. Senate Commerce Committee, December 2013.

Testimony on the Great Depression and the U.S. Economy, presented to the U.S. Senate Banking Committee, April, 2009.

Testimony on U.S. Financial Crisis, presented to the California State Assembly, November 2008.

## Dissertations Supervised (52, 45 at UCLA)

Fatih Ozgurk, UCLA, expected completion 2022

Seungyub Han, UCLA, expected completion 2022

Shihan Shen, UCLA, expected completion, 2022

Jae Young Jang, UCLA, 2020

Santiago Justel, UCLA, 2020

Diana Van Patten, UCLA, 2020

Nan Wu, UCLA,2020

Kun Hu, UCLA, 2019

Yunfan Gu, UCLA, 2018

Jing Hang, UCLA, 2018

Andreas Gulyas, 2017

Adrien des Enfans D'Avernas, 2017

Jinwook Hur, UCLA, 2016

Ting Li, UCLA, 2015

Kyle Herkenhoff, UCLA, 2014

Gonca Senel, UCLA, 2013

Seth Neumuller, UCLA, 2013

Nida Cakir, UCLA, 2013

Gonzalo Llosa, UCLA, 2012

Matt Luzzetti, UCLA, 2012

Wei Shi, UCLA, 2012

Roberto Fattal Jaef, UCLA, 2011

Giang Ho, UCLA, 2011

Jose Ignacio Lopez Gaviria UCLA, 2011

Gitanjali Kuma, UCLA 2011

Virginia Maria Olivella, UCLA, 2011

Sophie Park, UCLA, 2011

Jessica Roldan, UCLA, 2011

Hao Shi, UCLA, 2010

Paulina Restrepo, UCLA, 2010

Kei Kawaksami, UCLA, 2010, co-advisor

Simeon Alder, UCLA, 2009

David Lagakos, UCLA, 2008

Tani Fukui, UCLA, 2008, co-advisor

Burcu Eyigungor, UCLA, 2007

Nelson Souza Sobrinho, UCLA, 2006

Shu-Shiuan Lu, UCLA, 2006

Josue Espada, UCLA 2006

Flavia Graminho, UCLA 2006

Keisuke Otsu, UCLA 2006

Giovanni Veronesi, 2005

Thomas Tang, UCLA, 2005

Ruy Lama, UCLA, 2005

Juan Pablo Medina, UCLA, 2004

Andres Arias, UCLA, 2002.

Jesus Fernandez-Villaverde, University of Minnesota, 2001.

Zheng Liu, University of Minnesota, 1997

Katherine Boland, University of Pennsylvania, 1996.

Lutz Hendricks, University of Pennsylvania, 1996.

Hyun-do Ahn, University of Pennsylvania, 1994.

Tzu-Kuan Chiu, University of Pennsylvania, 1994.

## Thesis Committee Member (alphabetical order, 57, 35 at UCLA)

Marcela Aurelio, UCLA

Patrick Bajari, Minnesota

Claustre Bajona-Xandri, Minnesota

Jeremy Berkowitz, Penn

Michael Binder, Penn

Athanasios Bolmatis, UCLA

Rodolfo Campos, UCLA

Elizabeth Caucutt, Minnesota

Ricardo Cavalcanti, Minnesota

Marcele Chauvet, Penn

Celia Chen, Penn

Nan-Kuang Chen, Penn

Yi-Li Chien, UCLA

Hsiao Lei Chu, UCLA

Young Jun Chun, Penn

Jay Dixon, UCLA

Ronald Edwards, Minnesota

Shingo Goto, UCLA

Jaime Guajardo, UCLA

Rodolfo Guerrero, Minnesota

Inci Gumus, UCLA

Tatsuji Hayakawa, Penn

Chang He, UCLA

Daniel Houser, Minnesota

Min-Chung Hsu, UCLA

Junko Kaneda, UCLA

Masa Kashiwagi, UCLA

Lutz Kilian, Penn.

Minsuk Kim, UCLA

Ioannis Kospentaris, UCLA

Junsang Lee, UCLA

Wendy Li, UCLA

Pei-ju Liao, UCLA

Jia Luo, UCLA

Chien-Hsu Lin, UCLA

José Lopez, Penn

Adrian Masters, Penn

Seth Meuller, Penn

Daisuke Miyakawa, UCLA

Jaihyun Nahm, UCLA

Eric Neis, UCLA

Musa Orak, UCLA

Guillermo Ordonez, UCLA

Andrea Raffo, UCLA

Ronald Ratcliffe, Penn

Robert Rebelein, Minnesota

Diego Restuccia, Minnesota

Mauro Rodriguez, UCLA

Abdel Senhadji, Penn

Cesar Serra, UCLA

Vaidyanathan Venkateswaran, UCLA

Zihao Xu, UCLA

Se Yan, UCLA

Pierre Yanni, UCLA

Yossi Yahkin, UCLA

Paul Zak, Penn

Sarah Zhou, UCLA

Andrew Zaeske, UCLA