

WOLFGANG KELLER

Curriculum Vitae

Department of Economics
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Education

Ph.D., Economics, Yale University, 1995
Diploma, Economics, University of Freiburg, Germany, 1990

Academic Positions

University of Colorado, Boulder
Professor, Department of Economics, 2008 to present
Associate Professor, Department of Economics, 2005 to 2008
Director, McGuire Center for International Economics, 2005 to present
University of Texas, Austin
Associate Professor, Department of Economics, 2003 to 2005
Assistant Professor, Department of Economics, 1998 to 2003
University of Wisconsin, Madison
Assistant Professor, Department of Economics, 1995 to 1998

Professional Activities

Research Associate, National Bureau of Economic Research, 2003 to present
Faculty Research Fellow, National Bureau of Economic Research, 1997 to 2003
Research Fellow, Centre for Economic Policy Research, 2003 to present
Research Affiliate, Centre for Economic Policy Research, 2000 to 2003
Research Fellow, Globalization and Economic Policy Centre, University of Nottingham, 2002 to present
Editorial Boards: *Journal of International Economics*, 2002 to present
International Economics and Economic Policy, 2005 to present

Fellowships, Awards, and Other Activities

Special Sworn Employee, Bureau of Economic Analysis, U.S. Department of Commerce, 2008 to present
Consultant, European Central Bank, 2008
Organizer, NBER Productivity Program Spring Meeting, 2005
Consultant, The World Bank, 2001, 2005 to present
Distinguished Speaker, Industry Canada, Ottawa, 2004
Visiting Professor, Brown University, 2002 to 2003
Resident Scholar, Research Department, International Monetary Fund, Fall 2003
Dean's Fellowship, University of Texas, Austin, 2002

Visiting Professor, University of Toronto, Fall 1997
Fellowships from the German National Scholarship Foundation (*Studienstiftung des deutschen Volkes*), 1992-94, 1987-90
Visiting Scholar, Kiel Institute for World Economics, 1993
Visiting Scholar, International Institute of Applied Systems Analysis, Laxenburg, Austria, 1992
Yale University Fellowship, 1990 to 1994
Aurelio Peccei Prize, International Institute for Applied Systems Analysis, Austria, 1991
Friedrich August von Hayek Prize, University of Freiburg, Germany, 1990

Grants

“What Explains Modern Economic Growth? New Evidence from a Comparison of China and Europe in the 18th Century”, National Science Foundation, 2005 to 2008 (with Carol H. Shiue)
“Trade, Multinationals, and Spillovers: The Case of Mexico”, The World Bank, 2005 to 2008 (with Beata Smarzynska-Javorcik and James Tybout)
“How Does Economic Integration Affect Technology Diffusion and the Spatial Distribution of Productivity Growth?”, National Science Foundation, 1999 to 2000
“Bilateral Trade and the Gravity Equation”, World Affairs and the Global Economy Grant, University of Wisconsin, Madison, 1996 to 1997

Research Impact

Among the 250 Most Cited Economists in the World
Number of authors- and age-adjusted citations according to IDEAS/RePEc

Refereed Publications

“Multinational Enterprises, International Trade, and Productivity Growth: Firm-Level Evidence from the United States”, forthcoming, *Review of Economics and Statistics*, 2009 (with Stephen Yeaple)
“Diffusion of Technology”, *New Palgrave Dictionary of Economics*, 2nd edition, edited by L. Blume and S. Durlauf, Macmillan, forthcoming, 2009
“Transfer of Technology”, *New Palgrave Dictionary of Economics*, 2nd edition, edited by L. Blume and S. Durlauf, Macmillan, forthcoming, 2009
“Markets in China and Europe on the Eve of the Industrial Revolution”, *American Economic Review* 97, 4 (2007): 1189-1216 (with Carol H. Shiue)
“The Origins of Spatial Interaction”, *Journal of Econometrics* 140, 1 (2007): 304-332 (with Carol H. Shiue)

- “Market Integration and Economic Development: A Long-run Comparison”, *Review of Development Economics* 11, 1 (2007): 103-123, 2007 (with Carol H. Shiue)
- “International Technology Diffusion”, *Journal of Economic Literature* 42, 3 (2004): 752-782. Reprinted in D. Greenaway, H. Görg, and R. Kneller (eds.), *Globalization and Productivity*, Edward Elgar Publishing Ltd, Cheltenham, UK
- “Convergence and Polarization in Global Income Levels: A Review of Recent Results on the Role of International Technology Diffusion”, *Research Policy* 32, 6 (2003): 1055-1079 (with Guan Gong)
- “Pollution Abatement Costs and Foreign Direct Investment Inflows to the U.S. States”, *Review of Economics and Statistics* 84, 4 (2002): 691-703 (with Arik Levinson)
- “On Theories Explaining the Success of the Gravity Equation”, *Journal of Political Economy* 110, 2 (2002): 281-316 (with Simon Evenett)
- “Geographic Localization of International Technology Diffusion”, *American Economic Review* 92, 1 (2002): 120-142
- “Trade and the Transmission of Technology”, *Journal of Economic Growth* 7, 1 (2002): 5-24 (Lead Article)
- “From Socialist Showcase to Mezzogiorno? Lessons on the Role of Technical Change from East Germany’s Post-World War II Growth Performance”, *Journal of Development Economics* 63, 2 (2000): 485-514
- “Do Trade Patterns and Technology Flows Affect Productivity Growth?”, *World Bank Economic Review* 14,1 (2000): 17-49. Reprinted as “How Trade Patterns and Technology Flows Affect Productivity Growth”, in H. Singer et al. (eds.), *New World Order Series*, Vol. 20, New Delhi
- “Are International R&D Spillovers Trade-related? Analyzing Spillovers among Randomly Matched Trade Partners”, *European Economic Review* 42, 8 (1998): 1469-1481. Featured in *Economic Intuition* Winter (1999), pages 7-8, as one of the top 100 papers of the year
- “Technology Flows Between Industries: Identification and Productivity Effects”, *Economic Systems Research* 9, 2 (1997): 213-220
- “Absorptive Capacity: On the Creation and Acquisition of Technology in Development”, *Journal of Development Economics* 49, 1 (1996): 199-227

Other Publications

“U.S. International Trade in R&D-Related Services and a Transactions-Based Profile of Business R&D”: Discussion”, in M. Reinsdorff and M. Slaughter (eds.), *International Service Flows*, University of Chicago Press and NBER, forthcoming, 2009

Recent Working Papers

“Wal-mart in Mexico: The Impact of FDI on Innovation and Industry Productivity”, preliminary draft, June 2008 (with Leo Iacovono, Beata Javorcik, and James Tybout)

“Estimating the Productivity Selection and Technology Spillover Effects from Imports”, NBER Working Paper # 14079, June 2008 (with Ram Acharya)

“Tariffs, Trains, and Trade: The Role of Institutions versus Technology in the Expansion of Markets”, NBER Working Paper # 13913, April 2008 (with Carol H. Shiue)

“Technology Transfer through Imports”, NBER Working Paper # 13086, May 2007 (with Ram Acharya)

“Openness and Industrial Response in a Wal-Mart World: A Case Study of Mexican Soaps, Detergents and Surfactant Producers” (with Beata Javorcik and James Tybout), NBER Working Paper No. 12457

“The Evolution of the World’s Technology Frontier, 1973-2002”, Industry Canada working paper, 2007 (with Ram Acharya)

Work in Progress

“Global Production and Trade in the Knowledge Economy”, August 2008 (with Stephen Yeaple)

“Trade, Foreign Direct Investment, and International Technology Diffusion”, for the *Handbook of Technological Change*, (eds.) B. Hall and N. Rosenberg (eds.), North-Holland Elsevier series, August 2008

“The Railroad Transportation Revolution and Economic Growth”, August 2008 (with Carol H. Shiue)

“Technology, Trade, and Gravity”, August 2008

Teaching Experience

Graduate: Economic Development, International Trade and Investment,
Macroeconomics

Undergraduate: International Trade, International Finance, Macroeconomics,
Microeconomics, Econometrics

Presentations Since 2006

UC Berkeley, The World Bank, UC Santa Cruz 2008 International Conference, European Central Bank, UC Berkeley (Haas), Beijing University (Guanghua), CEPR ERWIT 2008 Conference, NBER-Philly Fed 2008 Macro in Time and Space Conference, Yale, NBER 2008 International Trade Spring Conference, Harvard, Colorado, Cliometrics North America 2007 Conference, NBER 2007 International Trade Spring Conference, NSF/NBER/CEPR 2006 Evolution of the Global Economy Conference, Lund, Sweden, NBER 2006 Productivity Summer Institute Conference.