



Curriculum Vitae

Lee G. BRANSTETTER, Visiting Fellow, RIETI

Lee G. Branstetter

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EDUCATION

Harvard University

Cambridge, MA

National Science Foundation Graduate Research Fellow

Ph.D. in Economics, 1996.

Thesis Title: *Innovation, Knowledge Spillovers, and Dynamic Comparative Advantage*

Thesis Committee: Zvi Griliches (Chair), Richard Caves, and David Weinstein

Northwestern University

Evanston, IL

Graduated with departmental honors in Mathematical Methods in the Social Sciences and Economics, 1991.

Phi Beta Kappa (1990). Truman Scholar (1989).

ACADEMIC APPOINTMENTS

Columbia Business School

New York, NY

Associate Professor of Finance and Economics, 2001 – present

Teaching responsibilities include MBA courses in international business and East Asian business and finance.

Affiliated with the Center on Japanese Economy and Business and the Chazen Institute.

Director, International Business Program, 2002 – present

Appointed to oversee general program management of the international business concentration at Columbia Business School.

Journal of International Economics

Associate Editor, 2003-present

Appointed by Editor Jonathan Eaton to participate in the editorial decisions of the leading journal in international economics.

University of California, Davis

Davis, CA

Assistant Professor of Economics, 1996 – 2001

Teaching responsibilities included undergraduate and graduate-level courses in international trade, industrial organization, and East Asian economic growth. Affiliated with the Pacific Rim Business and Development Program and the Program on Technology, Institutions, and Economic Growth.

Director, East Asian Studies Program, 1999 – 2001

Appointed to oversee curriculum development, student advising, general program management, and external relations for the UC-Davis East Asian Studies Program, an interdisciplinary undergraduate major with 22 affiliated faculty members.

National Bureau of Economic Research

Cambridge, MA

Faculty Research Fellow, 1996-present

Faculty Research Fellow in the NBER Program on Productivity and Technical Change and the NBER International Trade and Investment Program. Also affiliated with the NBER Program on Industrial Technology and Productivity and the NBER Japan Project.

Dartmouth College

Hanover, NH

Visiting Assistant Professor, Economics, 1996-97

Teaching responsibilities included courses in econometrics, statistics, and international trade.

PUBLISHED AND FORTHCOMING PAPERS

- [1] “Measuring the Impact of U.S. Research Consortia,” with Mariko Sakakibara (UCLA), forthcoming in *Managerial and Decision Economics*.
- [2] “Has Japan’s Innovative Capacity Declined?” with Yoshiaki Nakamura (Ministry of Economy, Trade, and Industry; Government of Japan), forthcoming in Anil Kashyap, Jenny Corbett, Magnus Blomstrom, and Fumio Hayashi, (eds.), *Structural Impediments to Growth in Japan*, University of Chicago Press and NBER.
- [3] “Trade and Foreign Direct Investment in China: A Political Economy Approach,” with Robert Feenstra (UC-Davis), *Journal of International Economics*, vol. 58, no. 2, pp. 335-358.
- [4] “When Do Research Consortia Work Well and Why? Evidence from Japanese Panel Data,” with Mariko Sakakibara (UCLA), *American Economic Review*, vol. 92, no. 1, pp. 143-159.
- [5] “Do Stronger Patents Induce More Innovation? Evidence from the 1988 Japanese Patent Law Reforms,” with Mariko Sakakibara (UCLA), *RAND Journal of Economics*, vol. 32, no. 1, Spring 2001, pp. 77-100. Reprinted in R. Towse and R. Holzhauser, (eds.), *The Economics of Intellectual Property*, Edward Elgar Publishing Limited, 2001.
- [6] “Are Knowledge Spillovers International or Intranational in Scope? Microeconomic Evidence from Japan and the United States,” *Journal of International Economics*, vol. 53, February 2001, pp. 53-79.
- [7] “Vertical Keiretsu and Knowledge Spillovers in Japanese Manufacturing: An Empirical Assessment,” *Journal of the Japanese and International Economies*, vol. 14, June 2000, pp. 73-104.
- [8] “Japanese Research Consortia: A Microeconomic Analysis of Industrial Policy,” with Mariko Sakakibara (UCLA), *Journal of Industrial Economics*, vol. 46, no. 2, June 1998, pp. 207-233.
- [9] “Looking for International Knowledge Spillovers: A Review of the Literature with Suggestions for New Approaches,” *Annales d’Economie et de Statistique* No. 49/50, 1998, pp. 517-540.
- [10] “Foreign Direct Investment and R&D Spillovers: Is There a Connection?” in Takatoshi Ito and Anne Krueger, (eds.) *The Role of Foreign Direct Investment in East Asian Economic Development*, NBER and University of Chicago Press, 2000.
- [11] “Does Cash Flow Cause Investment and R&D? An Exploration Using Panel Data from French, Japanese, and United States Scientific Firms,” with Bronwyn Hall (UC-Berkeley), Jacques Mairesse (EHESS and CREST, Paris), and Bruno Crepon, (INSEE), in David Audretsch and Roy Thurik, (eds.) *Innovation, Industry Evolution, and Employment*, Cambridge University Press, 1999.
- [12] “New Business Investment Company: October 1997,” with Joshua Lerner (HBS) and Takeshi Nakabayashi (NBI), Harvard Business School Case No. N9-299-025, 1999.
- [13] “China’s Changing Role in East Asia and the World Economy,” (in Japanese), in *MITI Research Review*, vol. 14, March 2000, pp. 98-121.
- [14] “Technology Spillovers in Production Keiretsu,” (in Japanese) in *Financial Review* vol. 46, Special Issue “Human Investment and R&D,” July 1998, pp. 72-86.

PUBLISHED COMMENTS AND REVIEWS

- [15] “Comment on Bernard and Jensen,” in Robert Feenstra, (ed.), *The Impact of International Trade on Wages*, NBER and University of Chicago Press, 2000.
- [16] “Comment on Belderbos et. al.,” in Takatoshi Ito and Anne Krueger, (eds.), *The Role of Foreign Direct Investment in East Asian Economic Development*, NBER and University of Chicago Press, 2000.

[17] "Comment on *Japanese Electronics Multinationals and Strategic Trade Policies*," in *The Economic Review*, vol. 51, no. 3, July 2000, pp. 283-285.

PAPERS UNDER REVIEW

[18] *Technology Licensing in Korean Industry: A Microeconomic Study of the Electronics Sector*, with Euysung Kim, UCSD and KDI, and Taekwon Kim, Yonsei University, Korea. Revise and Resubmit from the *Journal of Economics and Management Strategy*.

[19] *The Impact of Technology Transfer and R&D on Productivity Growth in the Taiwanese Electronics Industry: Microeconomic Analysis using Plant-Level Data*, with Jong-Rong Chen, National Central University, Taiwan. Revise and Resubmit from the *Journal of the Japanese and International Economies*.

[20] *Is Foreign Direct Investment a Channel of Knowledge Spillovers? Evidence from Japan's FDI in the United States*. NBER Working Paper number 8015.

WORKING PAPERS

[21] *Measuring the Link between Academic Science and Industrial Innovation: The Case of California's Research Universities*. Presented at the 2000 NBER Summer Institute.

[22] *Do Stronger Intellectual Property Rights Induce More Technology Transfer? Evidence from U.S. Multinationals*, with Raymond Fisman (Columbia) and Fritz Foley (Michigan). Presented at the NBER ITI Program Meeting and Harvard Business School.

WORKS IN PROGRESS

Are Firms Really Learning from University Research? Evidence from U.S. Panel Data. Research project supported by the National Science Foundation.

Openness, International Trade, and Foreign Direct Investment in the People's Republic of China, with Nicholas Lardy (Brookings Institution).

RESEARCH INTERESTS

International Economics
The Economics of Technological Innovation
Industrial Organization
The Japanese Economy
East Asian Economic Growth

OTHER RESEARCH EXPERIENCE

2003- **World Bank**, Consultant to the Research Group. Hired to contribute to research on the impact of changes in intellectual property rights regimes in developing countries on the behavior of multinational firms.

1997- **U.S. Department of Commerce, Technology Administration**, Consultant to the Advanced Technology Program of the National Institute of Standards and Technology.

1999 **Organization for Economic Cooperation and Development** (Paris), Consultant to the Science and Technology Directorate. Hired to assist the OECD in developing new international measures of technological activity.

1995 **Hitotsubashi University** (Japan), Visiting Scholar, *Japan Foundation Doctoral Dissertation Fellow*. Pursued

empirical research on the scope of knowledge spillovers as well as the impact of vertical keiretsu ties on productivity and product innovation in Japanese firms. Maintained formal affiliation with the Ministry of International Trade and Industry.

1993 **Ministry of International Trade and Industry** (Japan), Visiting Scholar. Analyzed the impact of main bank relationships on the performance of Japanese firms.

RESEARCH GRANTS AND CONTRACTS

2003 Awarded National Science Foundation grant to study the impact of changes in intellectual property rights systems abroad on the activities of U.S.-based multinationals (\$124,000).

2002 Awarded Columbia Business School CIBE Research Grant (\$6,000).

2002 Awarded NBER research grant for the study of the globalization of industrial research and development, through the NBER-Sloan program on the Science and Technology Workforce (\$13,000).

2002 Awarded NBER Nonprofit Research Project Grant for further study of the impact of academic research on industrial innovation (\$25,000).

2001 Awarded grant by the National Science Foundation (SRS Division) to study the impact of academic research on industrial innovation (\$95,000).

2000 IGA Junior Faculty Research Grant (\$4,000)

2000 University of California Faculty Research Grant (\$10,000)

2000 Energy Foundation grant to pursue a study of the implications of WTO accession for the Chinese automobile industry. Additional grants from General Motors, Toyota, and DaimlerChrysler (\$115,000)

1999 Awarded NBER Project on Industrial Technology and Productivity Program grant to study the impact of Japanese foreign direct investment on international knowledge spillovers (\$10,000)

1999 Awarded NBER Project on Industrial Technology and Productivity Program grant to study the impact of academic science on industrial innovation (\$10,000)

1999 IGA Junior Faculty Research Grant (\$3,000)

1999 University of California Faculty Research Grant (\$3,000)

1998 University of California Cooperative Research Program grant to investigate linkages between university science and private innovation. Additional research support from Institute of Governmental Affairs, UC-Davis. (\$70,213)

1998 Japan Foundation Center for Global Partnership grant to study the role of technology transfer in East Asian economic growth, with R. Wakasugi, E. Tomiura, E. Kim, and J. R. Chen. Additional support from the UC Institute on Global Conflict and Cooperation (IGCC) and the NBER. (\$83,882)

1998 Social Science Research Council grant to study the role of technology transfer in East Asian economic growth. (\$11,000)

1998 Awarded NBER Project on Industrial Technology and Productivity Program grant to study the impact of patent reforms on innovation in Japan, funded by the Sloan Foundation. (\$15,000)

1998 University of California Faculty Research Grant. (\$10,000)

1997 Awarded research contract to study and compare government funded research consortia in the U.S. and Japan, by the Advanced Technology Program, U.S. Department of Commerce, under the administration of the National Bureau of Economic Research. (\$169,100)

1997 Awarded NBER Project on Industrial Technology and Productivity Program grant to study research consortia, funded by the Sloan Foundation. (\$20,000)

1997 University of California Faculty Research Grant. (\$2,935)

1996 Awarded research contract to develop new international measures of innovative output by the OECD Science and Technology Directorate. (\$5,171)

1996 University of California New Faculty Research Grant for research on Japanese technology policy. (\$3,000)

HONORS AND AWARDS

2002 Awarded the Chazen Innovation Prize for Innovative Teaching in International Business at Columbia Business School

2001	Awarded an Abe Fellowship by the Social Science Research Council.
2000	Thomas Mayer Distinguished Teaching Award, UC-Davis Department of Economics.
1998	Awarded UC-Davis Teaching Resource Center grant to conduct an internet videoconference linking UC-Davis undergraduates with experts at the World Bank, the IMF, and the Brookings Institution.
1995	Harvard University Certification for Teaching Excellence.
1994	Awarded Japan Foundation Graduate Research Fellowship to pursue dissertation research in Japan.
1994	Sumner Slichter Fellowship, Harvard Department of Economics.
1993	Awarded a research grant by the Reischauer Institute of Harvard University to pursue dissertation research at the Ministry of International Trade and Industry.
1993	Harvard University Teaching Fellowship.
1992	Awarded grant by the Reischauer Institute of Harvard University to pursue advanced Japanese language study at the Middlebury College Advanced Summer Japanese Program.
1991-1994	National Science Foundation Graduate Research Fellowship.

EDITORIAL/REVIEW SERVICE

Referee for *American Economic Review*, *Quarterly Journal of Economics*, *Econometrica*, *Journal of Political Economy*, *Journal of International Economics*, *Rand Journal of Economics*, *Journal of Industrial Economics*, *Journal of Finance*, *Journal of Econometrics*, *International Journal of Industrial Organization*, *R&D Management*, *Journal of the Japanese and International Economies*, *Management Science*, *Annales d'Economie et de Statistique*, the National Science Foundation, and the Austrian Science Fund (FWF).

CITIZENSHIP

United States of America

INVITED PRESENTATIONS

- 2003 NBER Summer Institute Productivity Program Meeting
 NBER/CRIW/CREST Conference on R&D, Education, and Productivity, Paris
 NBER-Sloan Project on Science and Engineering Workforce, May 2003 meeting, New York, NY
 Duke University International Conference on Intellectual Property Rights, Durham, NC (Discussant)
 Seminar at Yale University, New Haven, CT
 Seminar at Columbia University, New York, NY
 AEA Meetings, Washington, DC (Discussant)
- 2002 The World Bank, Washington, D.C.
 Seminar at the Department of Economics, UC-Berkeley, Berkeley, CA
 Seminar at the Kellogg School of Management, Northwestern University, Evanston, IL
 Seminar at the Department of Economics, University of Michigan, Ann Arbor, MI
 Seminar at the Department of Economics, University of Colorado, Boulder, CO
 Seminar at Boston University, Boston, MA
 Seminar at Harvard Business School, Boston, MA
 NBER International Trade and Investment Program Meeting, Palo Alto, CA
- 2001 AEA Meetings, New Orleans, LA
 Seminar at Columbia Business School, Columbia University, New York, NY
 NBER/Sloan Workshop on the Science Job Market, Washington, D.C.
 Seminar at Anderson Graduate School of Management, UCLA, Los Angeles, CA
 West Coast Japan Economic Seminar, UC-Santa Cruz, Santa Cruz, CA
 NBER Summer Institute, Productivity Workshop, Cambridge, MA
 NBER Summer Institute, International Trade and Investment Workshop, Cambridge, MA
 NBER Strategic Alliances Pre-conference

Seminar at NYU Stern School of Business, New York, NY
Seminar at Columbia-NYU Joint Law School Seminar on Strategic Alliances, New York, NY
NBER Productivity Lunch Workshop, Cambridge, MA

- 2000 AEA Meetings, Boston, MA
Seminar at Faculty of Commerce, University of British Columbia, Vancouver, Canada
Seminar at Department of Economics, UC-Berkeley, Berkeley, CA
Seminar at Haas School of Business, UC-Berkeley, Berkeley, CA
NBER Summer Institute, Productivity Workshop, Cambridge, MA
Japan Economic Seminar, Columbia University, New York, NY
Seminar at Department of Economics, Columbia University, New York, NY
Seminar at the Research Institute, Ministry of International Trade and Industry, Tokyo, Japan
Seminar at Department of Economics, Cornell University, Ithaca, NY
Seminar at Department of Economics, Brandeis University, Waltham, MA
Conference on University Entrepreneurship and Technology Transfer, Georgia Tech (Discussant)
- 1999 Berkeley-Stanford "IOfest" Conference, Haas School of Business, Berkeley, CA
West Coast Japan Economic Seminar, Fall Meeting, UCSD, San Diego, CA
Sloan Foundation Globalization Conference, Napa Valley, CA
Conference on the Role of Technology Transfer in East Asian Economic Growth (Organizer), Davis, CA
NBER Summer Institute, Productivity Workshop, Cambridge, MA
MITI Symposium "East Asian Economy and Japanese Industry at a Turning Point," Tokyo, Japan
Western Economic Association Meetings, San Diego, CA
Seminar at UC-Irvine, Irvine, CA
NBER International Trade and Investment Spring Program Meeting, Cambridge, MA
Conference on New Entrants vs. Incumbents in Biotechnology, UC-Berkeley, Berkeley, CA (Discussant)
Seminar at UC San Diego, La Jolla, CA
NBER Japan Project Spring Meeting, Palo Alto, CA
NBER Conference on Patent Systems and Innovation, Santa Barbara, CA
- 1998 NBER Summer Institute, Productivity Workshop, Cambridge, MA
Seminar at UC-Santa Cruz, Santa Cruz, CA
NBER Summer Institute, International Trade and Investment Workshop, Cambridge, MA
NBER Conference on International Trade and Wages, Monterrey, CA (Discussant)
ATP Conference on the Economic Evaluation of Technological Change, Washington, DC (Co-organizer)
NBER East Asian Seminar on Economics, Conference in Osaka, Japan
- 1997 ASSA Meetings in New Orleans, LA
NBER Productivity Program Spring Conference, Cambridge, Massachusetts
NBER Japan Project Spring Conference, Cambridge, Massachusetts
Taipei International Conference on Efficiency and Productivity Growth, Taiwan
UCLA Conference on The Evolving Japanese Corporation, Los Angeles, California
NBER Japan Project Winter Conference, Tokyo, Japan
Seminar at UC San Diego, La Jolla, California
NBER Conference on R&D and Competition in High-Technology Industries (Discussant)
Seminar at Faculty of Commerce, University of British Columbia, Vancouver, BC, Canada
Seminar at Hitotsubashi University, Japan
- 1996 Strasbourg Conference on Economics and Econometrics of Innovation, Strasbourg, France
Seminar at University of Toronto, Toronto, Ontario, Canada
Seminar at Brandeis University, Waltham, Massachusetts
- 1995 Seminar at University of Tokyo, Japan
Seminar at Hitotsubashi University, Japan
Seminar at Yokohama National University, Japan

Seminar at National Bureau of Economic Research, Cambridge, Massachusetts