

BYRON GANGNES

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EDUCATION

B.A., Economics, *Summa Cum Laude*, University of Puget Sound, 1982
Ph.D., Economics, University of Pennsylvania, 1990

PROFESSIONAL EXPERIENCE

Current Positions

Professor, Department of Economics, University of Hawaii at Manoa, 2010-present.
Senior Research Fellow, University of Hawaii Economic Research Organization, 2012-present.
Member of the Graduate Faculty, University of Hawaii at Manoa, 1992-present.
Affiliate Faculty member, University of Hawaii Public Policy Center, 2004-present.

Past Faculty Positions

Professor and Chair, Department of Economics, University of Hawaii at Manoa, 2012-2014.
Director, Forecast Project, University of Hawaii Economic Research Organization, 1998-2011.
Associate Professor, Department of Economics, University of Hawaii at Manoa, 1995-2010.
Graduate Chair, Department of Economics, University of Hawaii at Manoa, 2004-2007.
Undergraduate Chair, Department of Economics, University of Hawaii at Manoa, 1995-1997, 1998-2001.
Assistant Professor, Department of Economics, University of Hawaii at Manoa, 1990-1995.
Independent Researcher, Social Science Research Institute, University of Hawaii at Manoa, 1992-93.

Visiting Appointments

Guest Professor, International Graduate School of Social Sciences, Yokohama National University, February-March 2011.
Visiting Professor, HEC Montréal Department of International Business, Fall 2010.
Visiting Associate Professor, Singapore Management University, Spring 2004.
Visiting Scholar, University of Toronto Institute for Policy Analysis, Project LINK Research Center, Fall 1997.

PROFESSIONAL ACTIVITIES AND AFFILIATIONS

Affiliated researcher, United Nations Project LINK

American Economic Association, Western Economic Association International, Hawaii Economic Association

Associate Editor, *Economic Modelling*

HONORS AND AWARDS

Hung Wo and Elizabeth Lau Ching Award for Faculty Service to the Community, University of Hawaii (co-recipient with Carl Bonham), 2007.

College of Social Sciences Excellence in Teaching Award, 1999-2000.

Phi Beta Kappa, Alumni member, University of Puget Sound, elected 2001.

Directory of Japan Specialists in the United States and Canada, Japan Foundation, 2006.

ACTIVITIES MEETING GRADUATE FACULTY STANDARDS

Participation in Professional Activities

During the past five years I have presented papers at academic conference in the US, Canada, and Japan. I am an affiliated researcher with Project LINK, the United Nations collaborative program for global economic forecasting and policy analysis, and I make regular presentations and Chair sessions at the group's annual meetings.

I have reviewed articles for several prominent journals and currently serve as an Associate Editor for *Economic Modelling*.

Publications

Over the past five years I have published four articles in refereed journals, three chapters in edited volumes (one is forthcoming), and a chapter for an online VOXEU e-book. I serve as lead author for an annual series of forecast reports of the University of Hawaii Economic Research Organization (UHERO)

Graduate Advising and Support

During the past five years, I have served on several PhD committees, including those of Young Kon Chin, Shi Fu, and Qianxue Zhao.

I have served as PI or Co-PI for several grant projects administered through UHERO that have supported graduate students, including James Jones, Ashley Hirashima, and Qianxue Zhao.

I was engaged in graduate program policy activities as Department Chair during the 2012-2014 period, and I served on the Department Graduate Committee in 2015.

RESEARCH ACTIVITIES

Interests

Macroeconomic policy, macroeconomic aspects of trade, U.S.-Asian economic relationships, international pricing behavior, international production networks, regional economics.

Books and Monographs

Japan's New Economy: Continuity and Change in the 21st Century (with Magnus Blomström and Sumner La Croix), edited volume, Oxford University Press, 2001.

Economic Activity, Trade and Industry in the U.S.-Japan-World Economy: A Macro Model Study of Economic Interactions (with F. Gerard Adams and Shuntaro Shishido), Praeger Publishers, 1993.

Structure of Trade and Industry in the U.S.-Japan Economy: Phase II. Integration with Project LINK and Simulation Applications (with F. Gerard Adams and Shuntaro Shishido), NIRA Research Output, Vol. 3, No. 1, National Institute for Research Advancement, Japan, 1990. Also published in Japanese (NIRA No. 890038).

Articles and Book Chapters

Global Value Chains and the Trade-Income Relationship: Implications for the Recent Trade Slowdown (with Alyson C Ma and Ari Van Assche), Chapter 6 in Bernard Hoekman, ed., *The Global Trade Slowdown: A New Normal?* Vox, CEPR, <http://www.voxeu.org/content/global-trade-slowdown-new-normal>, 24 June 2015.

Global Value Chains and Trade Elasticities (with Ari Van Assche and Alyson C. Ma), *Economics Letters*, Vol. 124, No. 3, September 2014, pp. 482-486. DOI: 10.1016/j.econlet.2014.07.018.

Product Modularity and the Rise of Global Value Chains: Insights from the Electronics Industry (with Ari Van Assche), in Elisa Dávalos, ed., *Tendencias económicas emergentes en América del Norte. Nuevos patrones en la organización de la producción*, to the Centro de Investigaciones sobre América del Norte (CISAN) of the National Autonomous University of Mexico (UNAM), forthcoming.

The Employment Effects of Fiscal Policy: How Costly Are ARRA Jobs? (with F. Gerard Adams), *The Journal of Econometric Study of Northeast Asia*, Vol. 8, No. 2, August 2012, pp. 1-17.

Global Production Networks in Electronics and Intra-Asian Trade (with Ari Van Assche), in Timo Henckel, ed., *Sustaining Development and Growth in East Asia*, Routledge Studies in the Growth Economies of Asia, Routledge, 2012.

China's Exports in a World of Increasing Oil Prices (with Alyson C. Ma and Ari Van Assche), *Multinational Business Review*, Volume 19, No. 2, 2011, pp. 133-151.

Why Hasn't the US Economic Stimulus Been More Effective? The Debate on Tax and Expenditure Multipliers (with F. Gerard Adams), *World Economics*, Vol. 11, No. 4, October-December 2010, pp. 111-130.

Electronics Production Upgrading: Is China Exceptional? (with Ari Van Assche), *Applied Economics Letters*, Vol. 17, No. 5, March 2010, pp. 477-482.

China and the Future of Asian Electronics Trade, (with Ari Van Assche), in Linda Yueh, ed., *The Future of Asian Trade and Growth: Economic Development with the Emergence of China*, Routledge, 2010.

Modeling Tourism: A Fully Identified VECM Approach (with Allison Zhou and Carl Bonham), *International Journal of Forecasting*, Vol. 25, 2009, pp. 531-549.

Is Foreign Direct Investment Good for Growth? Evidence from Sectoral Analysis of China and Vietnam (with Tam Bang Vu and Ilan Noy), *Journal of the Asia Pacific Economy*, Vol. 13 No. 4, 2008, pp. 542-562.

Have U.S.-Japan Trade Agreements Made a Difference? (with Craig Parsons), *Journal of the Asia Pacific Economy*, Vol. 12, No. 4, November 2007, pp. 548-566.

Fragmentation and East Asia's Information Technology Trade (with Carl Bonham and Ari Van Assche), *Applied Economics*, Vol. 39, No. 2, February 2007, pp. 215 - 228.

Why Is China So Competitive? Measuring and Explaining Chinese Competitiveness (with F. Gerard Adams and Yochanan Shachmurove), *The World Economy* Vol. 29, No. 2, 2006, pp. 95-248.

Will Japan's Current Account Turn to Deficit? (with F. Gerard Adams), in Blomström, Magnus, Byron Gangnes and Sumner La Croix, eds., *Japan's New Economy: Continuity and Change in the 21st Century*, Oxford University Press, 2001.

Introduction (with Magnus Blomström and Sumner La Croix), in Blomström, Magnus, Byron Gangnes and Sumner La Croix, eds., *Japan's New Economy: Continuity and Change in the 21st Century*, Oxford University Press, 2001.

Pricing to Market: Exploring New Export Price Equations for the LINK Model (with Peter Pauly and Hung-Yi Li), in B.G. Hickman and L.R. Klein, eds., *LINK Proceedings 1991, 1992*, Studies in Applied International Economics—Vol. 1, World Scientific, 1998.

Why East Asian Economies Have Been Successful: Some Lessons for Other Developing Countries (with Seiji Naya), in H. Handoussa, ed., *Economic Transition in the Middle East: Global Challenges and Adjustment Strategies*, The American University in Cairo Press, 1997.

Japan's Persistent Trade Surplus: Policies for Adjustment (with F. Gerard Adams), *Japan and the World Economy*, Vol. 8, 1996, pp. 309-333.

Intervention Analysis with Cointegrated Time Series: The Case of the Hawaii Hotel Room Tax (with Carl Bonham), *Applied Economics*, Vol. 28, No. 10, October 1996.

Modeling Japanese Import Promotion Policies, in S. Ichimura and F.G. Adams, eds., *The East Asian Development Pattern: Forecasts to the Year 2010*, Report on the 6th ICSEAD International Model Comparison Workshop, International Centre for the Study of East Asian Development (ICSEAD), Kitakyushu, Japan, 1996.

Macro and Industry Implications of Voluntary Export Restraints on U.S.-Japan Trade (with F. Gerard Adams and Shuntaro Shishido), *The World Economy*, Vol. 17, No. 5, September 1994.

The Impact of Japanese Auto VRAs on the U.S. and Japanese Economies (with F. Gerard Adams and Gene Huang), *Journal of Policy Modeling*, Vol. 16, No. 2, 1994.

Macroeconomic and Industry Level Implications of Alternative Macro, Trade, and Industry Policies (with F. Gerard Adams and Shuntaro Shishido), *Journal of Applied Input-Output Analysis*, Vol. 1, No. 2, 1993.

Can ASEAN Countries Survive a Hostile Trade Environment? Evidence from Linked Econometric Models, in F.G. Adams and R.F. Wescott, eds., *Exports, Foreign Investment, and Growth in East and Southeast Asia*, International Centre for the Study of East Asian Development (ICSEAD), Kitakyushu, Japan, 1992.

Impact of Japanese Investment in U.S. Automobile Production (with F. Gerard Adams and Gene Huang), *Journal of Policy Modeling*, Vol. 13, No. 4, 1991.

Book Reviews, Research Reports and Other Publications

Globaloney 2.0: The Crash of 2008 and the Future of Globalization, by Michael Veseth, review in *Arches*, the Alumni Magazine of the University of Puget Sound, Spring 2010.

“Economy,” (with Kimberly Burnett, Sang-Hyop Lee and James Roumasset) in *Hawaii 2050: Building a Shared Future*, Hawaii 2050 Sustainability Task Force, 2007.

Comment on Rana, P., “Monetary and Financial Cooperation in Asia,” and Ogawa, E. and K. Kawasaki, “Toward an Asian Currency Union,” in Y.H. Kim and C.J. Lee, eds., *Strengthening Economic Cooperation in Northeast Asia*. Korean Institute for Economic Policy, 2004.

The Effect on Hawaii’s Economy of the September 11 Terror Attacks (with Carl Bonham), State of Hawaii Department of Business, Economic Development and Tourism, 2001.
<http://hawaii.gov/dbedt/info/visitor-stats/econ-impact/uhero1.pdf>.

The Asian Crisis: Toward Recovery and Reform, Report on a United Nations Expert Group Meeting, Department of Economic and Social Affairs, New York, May 1998.

Comment on “New Challenges for the World Trading System,” by Jeffrey Schott, *Globalization and Regionalization: Implications for the Asian NIEs*, Conference Proceedings, East-West Center, Honolulu, August 1994.

Outlook for the Hawaii Economy: Economic Projections by the University of Hawaii Economic Research Organization (with UHERO staff), including reports on Construction Industry, County Forecasts, and Asia-Pacific Forecast, <http://www.uhero.hawaii.edu>, 1994 to present.

Selected Working Papers

Global Value Chains and the Transmission of Business Cycle Shocks (with Ari Van Assche and Alyson C. Ma), Asian Development Bank Economics Working Paper Series No. 29, June 2012.

Alternative Policies for US Economic Recovery, University of Hawaii at Manoa Department of Economics Working Paper No. 10-2, February 2010.

Global Financial Crunch and Recession: A United States Perspective (with F. Gerard Adams), paper prepared for International Conference on Policy Model Analysis of the Impacts of Global Financial Crisis and Its Recovery Process of USA and Japan in the Context of Asian Economy, Center for Global Partnerships, Tokyo, October 2009.

Simulating Policy Alternatives for Economic Recovery in the United States (with F. Gerard Adams, paper prepared for Center for Global Partnerships workshop, Tokyo, January 2009.

Flexible Manufacturing and Global Sourcing (with Ari Van Assche), University of Hawaii mimeo, June 2006, mimeo.

Modular Production Networks in Electronics: the Nexus between Management and Economics Research (with Ari Van Assche), Singapore Management University Working Paper No. 21-2004, September 2004.

Modeling Japanese Imports: Do Prices Matter? University of Hawaii at Manoa mimeo, Fall 2006.

Selected Academic Presentations, Conference Organizing

The Macroeconomics of Japan's Trade Balance, Western Economic Association International, Honolulu HI, June 28-July 2, 2015.

Global Value Chains and the Trade-Income Relationship: Lessons for Modelers, Global Economic Modeling: A Conference in Honor of Lawrence Klein, Rotman School of Management, Toronto, June 11-13, 2015.

Global Value Chains and the Transmission of Business Cycle Shocks, Western Economic Association International Seattle, WA, June 28-July 2, 2013; Project LINK Fall Meeting, New York, NY, October 2012.

Is Our World Going to Get a Whole Lot Smaller? Kyoto Conference on International Trade and Innovation, Kyoto, Japan, February 11, 2011.

The Employment Effects of Fiscal Policy: How Costly are ARRA Jobs? AUBER Fall Conference, Charleston, WV, October 2010; Project LINK Fall Meeting, New York, NY, October 2010.

The U.S. and Global Recovery: Prospects for Asia, symposium on *East Asia Beyond the Global Economic Crisis*, Japan External Trade Organization (JETRO) and Economic Research Institute for ASEAN and East Asia (ERIA), Tokyo, December, 2009.

Alternative Policies for U.S. Economic Recovery, International Conference on *Policy Model Analysis of the Impacts of Global Financial Crisis and Its Recovery Process of USA and Japan in the Context of Asian Economy*, Center for Global Partnerships, Tokyo, October 2009. Also presented at United Nations Project LINK meeting, Bangkok, Thailand, October 2009, and Japan's Institute of Economic Development, December 2009.

Global Financial Crunch and Recession: A United States Perspective, (with F. Gerard Adams) International Conference on *Policy Model Analysis of the Impacts of Global*

Financial Crisis and Its Recovery Process of USA and Japan in the Context of Asian Economy, Center for Global Partnerships, Tokyo, October 2009.

Global Production Networks in Electronics and Intra-Asian Trade (with Ari Van Assche), SCAPE-EABER workshop, *Intra-Asia Trade and Factor Flows: Trends, Determination and Implications*, Singapore, 8-9 October 2007.

Flexible Manufacturing and Global Sourcing (with Ari Van Assche), Western Economic Association International Conference, San Diego, July 2, 2006.

Globalizing Asia: Evidence on Trade and Financial Linkages, organized session at the Western Economic Association International Conference, Vancouver, BC, July 2004. Presented "Information Technology Trade and Asia-Pacific Interdependence (with Carl Bonham and Ari Van Assche), July 1, 2004.

Information Technology Trade and Asia-Pacific Interdependence, International Conference on the *New Development in the Asia Pacific Region: Economic Analysis using Micro-Data*, Yokohama National University, February 2003. Also Singapore Management University, SESS, April 2004, Bologna, Italy; UH-Economics, Fall 2003; and United Nations Project LINK, October 2002.

Japan's Economy in the 21st Century: The Response to Crisis, Stockholm School of Economics, Stockholm, June 1998 and University of Hawaii at Manoa, January 1999.

Grants and Consultancies

Count of Kauai: Medium-term forecasts and data access (PI) 2002-2010; 2014-2015.

Hawaiian Electric Company: Long term economic forecasts for the State of Hawaii and the four counties, 1999-present.

State of Hawaii Auditor: "Hawaii 2050," 2006-2007.

Singapore Management University Wharton-SMU Research Center: "Modular Production Networks in IT: The Nexus Between Management and Economics Research," Spring 2004.

State of Hawaii Department of Business, Economic Development and Tourism (with Carl Bonham): "The Effect on Hawaii's Economy of the September 11 Terror Attacks," 2001.

New Economy Research Grant, University of Hawaii: "Modeling Information Technology: US-Asian Linkages," 2001-2002.

University of Hawaii at Manoa: "An Assessment Program for Undergraduate Economics," 2001-2002.

Stockholm School of Economics, Sweden (with Sumner La Croix and Magnus Blomström): "Japan's Economy in the Twenty-First Century: The Response to Crisis," 1997-1999.

Ministry of International Trade and Industry (MITI), Japan (with F.G. Adams and S. Shishido): Industrially linked macroeconomic model of the U.S.-Japan-world economy and policy simulations, 1994-96.

Social Science Research Institute, University of Hawaii at Manoa (with Carl Bonham): Econometric study of the effects of hotel room taxes on industry revenues, 1992-93

National Institute for Research Advancement (NIRA), Japan (with F.G. Adams and S. Shishido): Simulation studies of proposed Clinton policies and measures to reduce trade imbalances, 1992-93.

United Nations Project LINK (with Peter Pauly and Hung-Yi Li): Analysis of trade price linkages in the world economy, 1992-1993.

Institute for Economic Development and Policy, East-West Center: Japanese direct investment in the U.S., 1991.

TEACHING ACTIVITIES

Courses Taught

Street Science (interdisciplinary team-taught course), Global Economic Crisis and Recovery (Undergraduate Econ, MSci Seminar in International Business), International Economics, International Macroeconomics (*writing intensive*), International Macroeconomics (graduate field course), Economic Forecasting, Principles of Macroeconomics, Intermediate Macroeconomics, Macroeconomics and Policy Analysis (MA core), Money and Banking, Graduate Research Seminar.

Dissertation Supervision

Cai, Junning (2004), Jang, Hong-Bum (1995), Jin, Zhong-xia (199), Liu, Tzu-Nien (1996), Oh, Hwa-Seok (2000), Parsons, Craig (2000), Ra, Hee-Ryang (2007), Tobita, Naomi (2003), Vu, Tam (2006), Wang, Xiaoming (2008). Served as a member of twenty-six other dissertation committees; chaired six MA Individual Projects.

Selected Invited Lectures

“Prospects for Economic Growth in 2014,” University of Hawaii School of Pacific and Asian Studies *Short-term in Hawaii* program, February 19, 2014.

“Economic Update: Beyond fiscal battering, 2014 looking up?” and “The Global Economy Comes Home: How Developments Abroad Affect the US” Paragon Group Volunteer Leadership Institute, Maui, Hawaii, February 7, 2014.

“Outlook for the Hawaii Economy,” Hawaii State Senate Committee on Ways and Means, House Finance Committee, Honolulu, December 18, 2013.

“Economic Update: After Weak 2012, a Better 2013?” and “Tracking the Economy: What do the Numbers Mean?” Paragon Group Volunteer Leadership Institute, Kona, Hawaii, January 18, 2013.

“U.S. Economic Outlook: Will Recent Improvements Survive a Challenging Global Environment? University of Hawaii – Hilo, April 27, 2012.

“The Global Financial Crisis and Recovery,” MPE/World Bank program, Yokohama National University, February 22-24, 2011.

“State Forecast Update: Hawaii’s Two-Speed Recovery,” Honolulu City Council Budget Committee, January 12, 2011.

“The Global Recovery Challenge: Implications for Japan and East Asia,” The Twenty-Fourth ‘Asia Today’ Series, The Center for Asia-Pacific Exchange, Honolulu, April 24, 2010.

“Alternative Means of Addressing The State Budget Shortfall,” PHOCUSED forum at the Hawaii State Capitol, March 10, 2010.

“Economic Trends & Forecasts,” Annual Tourism Forecast Seminar, Pacific Asia Travel Association, Hawaii Chapter; International Association of Travel & Tourism Research and Marketing Professionals, Honolulu, February 24, 2010.

“Outlook for the U.S. and Japan,” Hawaii 50th Anniversary of Statehood Conference, August 21, 2009.

“U.S. Macro Policy and the Great Recession,” East-West Center Jefferson Fellowship program, Honolulu, May 13, 2009

“Hawaii in the Global Economy,” American Association of University Women, Windward Oahu Chapter, January 14, 2006.

“The Impact of September 11 on the Hawaii Economy,” keynote luncheon speech to the Hawaii Hotel Association general membership meeting, Lanai, November 16, 2001.

SERVICE ACTIVITIES

Selected Department and University Service

Graduate Chair, Department of Economics, University of Hawaii at Manoa, 2004-2007.

Undergraduate Chair, Department of Economics, University of Hawaii at Manoa, 1995-1997, 1998-2001.

University Program Review Committee for the School of Travel Industry Management, 2001-2002.

Teacher Education Committee for Social Studies, College of Education, 1999-2010.

Colleges of Arts and Sciences Educational Partnerships Committee, 1999-2001.

Arts and Sciences Senate Executive Committee, 1999-2000.

University of Hawaii at Manoa Oral Communications Focus Board, 2005-2008; co-Vice Chair 2005-2006; Chair 2006-2008.

University of Hawaii Graduate Council, 2005-2008.

University of Hawaii at Manoa PhD Funding Working Group. 2012-2013.

Selected Community Activities

Board of Directors, St. Francis School, Honolulu, 2008-2010, 2011-present.

Vestry, Saint Clement Episcopal Church, 2007-2010; Treasurer, 2009-2010, 2011-2015.

Board of Trustees, Friends of the Library of Hawaii Foundation, 2009-2010.

Noelani Elementary School Parent Teacher Association Executive Board; Member 1993-99;
President, 1995-96.

American Youth Soccer Organization Coach, 1993-96, 1998.

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