

Stanford University, Economics, Visiting Scholar, various times.

Stanford University, The Graduate School of Business, Visiting Scholar,
January 1996-August 1996.

University of California-Berkeley, Economics, Visiting Schoar, various times.

California Institute of Technology, Division of Humanities and Social Sci-
ences, Visiting Scholar, February-April 1988

Papers

“Production Fragmentations, Outsourcing and Factor Price Equalization,” under revision at the *International Journal of Economic Theory*.

“Efficient, Pareto-Improving Processes,” *Journal of Mathematical Economics* **46** 326-331, 2010.

"Social Security Programs and Retirement Behavior in Korea and China," (with Xin Yuan), in *Aging Problems in Northeast Asia*, edited by Ogura, Seiritsu and Zhigang Yuan, 365-380, Century Publishing Group Shanghai People's Publishing Co., Shanghai, China 2006

“Similarity of Endowments and the Factor Price Equalization Condition,” *Economic Theory*, vol. 21, Issue 2-3, 605-612, 2003.

“The Lens Condition with Two Factors,” (with Siu-kee Wong), *Review of International Economics*, 11(4), 692-696, 2003.

“The Lens Condition for Factor Price Equalization,” (with Ufuk Demiroglu), *Journal of International Economics* **47**, 449-456, 1999.

“Relative Prices and Improvement of Real Factor Rewards in Several Sectors,” *Economics Letters* **55**, 379-382, 1997.

“The Dubovickii-Miljutin Lemma and Characterization of an Optimal Allocation in Non-smooth Economies,” *Journal of Mathematical Economics* **24** 435-460, 1995.

“Structure of Distortion Equilibria and Welfare in a Multiregional Economy,” *Economic Theory* **5**, 491-512, 1995.

“An Equilibrium Index Theory in an Economy with Convex Production Technologies,” (with Seung-Jun Park), *Seoul Journal of Economics* **1**, No. 2, 1988.

“A New Proof of the Existence of an Odd Number of Economic Equilibria when Boundary Equilibrium is Absent,” in *Economic Development, Theory and Practice—Festschrift in honor of professor Hyungyoon Byun*, Seoul, Korea, 1986.

“Optimal Tax-Subsidy Structure in an Industry with Marshallian Externalities,” *Proceedings of the Second International Conference of Korean Economists*, Seoul, Korea, August 1986.

“Pareto Optimality in Non-convex Economies and Marginal Cost Pricing Equilibria,” *The Korean Economic Review* **1**, 1-13, December 1985.

“Uniqueness Conditions for Kuhn-Tucker Points on a Disk,” *Journal of Optimization Theory and Applications*, 701–721, December 1984.

“On the Welfare Increasing Properties of the Pigouvian Taxation Scheme,” in *Economics of Industry-Theory and Analysis—Festschrift in honor of Professor Byunghyou Chong*, Seoul, Korea, 127–134, May 1983.

“A Note on Nishimura’s Uniqueness Theorem of General Equilibrium,” *International Economic Review*, vol.22, No. 2, 471–473, June 1981.

“Some Conditions Leading to a Unique and Stable Equilibrium in Monopolistic Competition,” (with Larry Chenault), *Proceedings of the Second International Conference on Mathematical Modeling*, St. Louis, August 1979.

“A Note on Some Perturbation Theorems for Price Dynamics in an Exchange Economy,” *International Economic Review*, vol. 20, no. 2, 359–365, June 1979.

“On the Existence of a Unique and Stable Market Equilibrium,” *Journal of Economic Theory*, vol. 20, no. 1, 118–123, February 1979.

“Stability of Competitive Industry Equilibrium,” *Journal of Economic Theory*, vol. 16, no. 1, 10–16, October 1977.

“Quasi-Stability in a System of Generalized Differential Equations and its Economic Applications,” *Proceedings of the First International Conference on Mathematical Modeling*, 2331–2337, St. Louis, August, 1977.

Recent Papers “The Motzkin’s theorem and Pareto improving reforms,” under revision.

“Notes on Comparative Advantage,” under revision.

“On the possibility of Pareto gains from trade by redistribution through income taxation,” under revision.

**Courses Taught
in the last 3
years**

Doctorate:

Microeconomic Theory, Mathematical Economics, International Trade, Game Theory

Undergraduate and MA:

Mathematics for Economists, International Trade, International Economic Relations, Game Theory

Doctoral Students Supervised

Peter Coughlin, University of Maryland at College Park, Associate Professor, tenured, (Chair)

Larry Chenault, formerly of Miami University of Ohio, Associate Professor, tenured (Chair)

Kevin Currier, Oklahoma State University, Professor, tenured (Chair)

Seung-Jun Park, Dankook University, Professor, tenured (Chair)

Insoo Kang, Korea Information Society Development Institute, Senior Research Fellow (Chair)

Laiwu Zhang, Department of Science and Technology, China, Deputy Minister; formerly of Beijing University, Professor (Committee member)

Jiro Akita, Faculty of Economics, Tohoku University, Professor and Dean, (Committee member)

Xin Yuan, Dun & Bradstreet, Director of Statistical Consulting (Chair)

Santanu Pal, Citi-Financial International (Committee member)

Other Professional Activities

Director of Graduate Studies, Economics, Fall 2007–Summer 2012

Co-editor, *Seoul Journal of Economics*, 1990–2003.

Co-chair, Program Committee, The Far Eastern Meeting of the Econometric Society, Seoul, Korea, June 1991.

Member, The Far Eastern Standing Committee of the Econometric Society, 1991–1997.

Member, Program Committee, The Far Eastern Meeting of the Econometric Society, Taiwan, June 1993.

Grants and Awards:

Japan Ministry of Education, Culture, Sports, Science and Technology Grant 2003-2008, Joint Research Project on Population Aging in Japan,

China and Korea (co-principal investigator and country coordinator for Korea).

National Science Foundation Research Grant SOC 78-01381 with S. Ogura, 1978-9, to study Optimal Pricing Rules Under Income Distribution Policies.

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