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**Frank S. T. Hsiao, Professor**

Ph.D., University of Rochester, 1967

**FIELDS**

Economic Theory (Mathematical Economics) · Theory of Economic Growth · Economic Statistics and Econometrics · Economic Development of East Asia

**CURRENT RESEARCH INTEREST**

Topics in East Asian development; microcomputer applications in economics; endogenous growth models.

**SELECTED PUBLICATIONS AND WRITINGS**

- “Colonialism, Learning and Convergence – A Comparison of India and Taiwan” (with Mei-chu W. Hsiao), *Journal of Asia Pacific Economy*, 10(2), 2005, 146-177.
- “Korean and Taiwanese Productivity Performance: Comparisons at Matched Manufacturing Levels” (with Changsuh Park), *Journal of Productivity Analysis*, 23(1), 2005, 85-107.
- “Learning and Convergence—On the Long Run Growth in East Asia” (with Mei-chu W. Hsiao), *Review of Development Economics* 8(2), 223-236, 2004.
- “The Chaotic Attractor of Foreign Direct Investment—Why China? A Panel Data Analysis” (with M.C.W. Hsiao), *Journal of Asian Economics* 15, 641-670, 2004.
- “The Impact of the US Economy on the Asia-Pacific Region: Does it Matter?” (with M.C.W. Hsiao and Akio Yamashita), *Journal of Asian Economics* 14(2), 219-241, 2003. Jpn. trans., Ryukoku Univ. Management. Review 43(3), 2004.
- “Miracle Growth in the Twentieth Century—International Comparisons of East Asian Development” (with M.C.W. Hsiao), *World Development* 31(2), 227-257, 2003.
- Game Theory Step-by-Step using Spreadsheets* (with Yoshisuke Umehara). In Japanese. Tokyo: Nihon Hyoronsha Publishing Company, 1997.
- “International Policy Coordination with a Dominant Player - The Case of the United States, Japan, Taiwan, and Korea” (with M.C.W. Hsiao), *Journal of Asian Economics* 6(1), 29-57, 1995.
- “Taiwanese Economic Development and Foreign Trade” (with M.C.W. Hsiao), in *Harvard Studies On Taiwan* Vol. 1, 1995, Fairbank Center of East Asian Research, Harvard University, 199-270. Reprinted in *Comparative Asian Economies*, ed. by John Y.T. Kuark, JAI Press, 211-302, 1996.
- “Monetary Policy Coordination between Large and Small Countries: An Empirical Study” (with M.C.W. Hsiao), *Journal of Economic Development*, 1994.
- “Production Sharing Contracts and Decision Making in Oil Production: The Case of Indonesia,” (with P. Yusgiantoro), *Energy Economics*, 15(4), 1993, 245-256.
- “Elasticities, Ratios, and Energy Modeling,” (with M.C.W. Hsiao), *Energy Economics*, 7(3), 1985, 153-158.
- “A General Method of Deriving Higher Order Differentials of a Multi-variable Composite Function,” *Canadian Mathematical Society Applied Mathematics Notes* 9(4), 25-29, 1984.
- “Balanced Growth and Asymptote Criterion in Neoclassical Models,” *The Economic Studies Quarterly* 20(1), 50-59, 1979. Jpn. trans. by Shingi Go, in *Fuji Univ. Review* 12(2), 106-119, 1980.
- “An Analytic Approach to Sensitivity Analysis of the Internal Rates of Return Model” (with James Smith), *Journal of Finance* 33(2), 645-649, 1978.
- “Factor Market Distortions and Factor Substitutions in Two-Sector Growth Models,” *Hitotsubashi Journal of Economics* 17(1), 20-28, 1975. Jpn. trans. in *Fuji Univ. Review* 10(1), 79-93, 1977.
- “On the ‘Social’ and ‘Private’ Laws of Diminishing Returns,” *Zeitschrift fur die Gesamte Staatwissenschaft (Journal of Institutional and Theoretical Economics)* 131(1), 106-112, 1975. Jpn. trans. in *Fuji Univ. Review* 9(2), 87-100, 1977.
- “Factor Substitution and the Stability of Two-Sector Growth Models—Generalization and a Synthesis,” *The Southern Economic Journal*, 41(3), January 1975, 420-428.
- “The Minimum Elasticity of Transformation and the Transformation Curve,” *The Australian Economic Papers*, 237-249, 1974.
- “The Contract Curve and the Production Possibility Curve,” *Journal of Political Economy* 79(4), 919-923, 1971.
- “Some Notes on the Elasticity of Substitution,” *American Economic Review* 59(3), 432-435, 1969.