

Working Papers and Reports of Lawrence J . Lau:

1. **“Planning and Economic Growth in Communist China,”** paper presented at the Association of Asian Studies, Honolulu, June 1968.
2. **“International Differences in Social Security Development,”** Memorandum No. 65, Center for Research in Economic Growth, Stanford University, August 1968, (with K. Taira).
3. **“Direct and Indirect Utility Functions, Theory and Applications,”** Working Paper No. 149, Institute for Business and Economic Research, University of California, Berkeley, March 1969.
4. **“Self-Duality: A Comment,”** Working Paper No. 150, Institute of Business and Economic Research, University of California, Berkeley, March 1969.
5. **“Budgeting and Decentralization of Allocation Decisions,”** Memorandum No. 89, Center for Research in Economic Growth, Stanford University, March 1969.
6. **“An Economic Theory of Agricultural Household Behavior,”** paper presented at the Fourth Far East Meeting of the Econometric Society, Tokyo, June 1969 (with Dale W. Jorgenson).
7. **“A Linear Logarithmic Expenditure System: An Application to U.S. Data,”** paper presented at the Second World Congress of the Econometric Society, Cambridge, England, September 1970 (with B.M. Mitchell).
8. **“The Use of Provincial Data in the Study of the Chinese Economy: Promises, Problems and an Illustrative Application,”** paper presented at the Social Science Research Council Conference on the Economy of China, Cambridge, MA, December 11-12, 1970.
9. **“A Set of Simple National Econometric Models,”** paper presented at the Fourth World Meeting of Project LINK, Vienna, Austria, August 1973, (with Bert G. Hickman).
10. **“On Optimal Product Differentiation,”** Working Paper No. 39, Institute for Mathematical Studies in the Social Sciences, Stanford University, April 1974.
11. **“Applications of Transcendental Logarithmic Utility Functions,”** paper presented at the Conference on the Analysis of Consumer Expenditure Data, National Bureau of Economic Research, Stanford, CA, May 1974 (with Dale W. Jorgenson).

12. **“The Integrability of Consumer Demand Functions,”** paper presented at the Conference on the Analysis of Consumer Expenditure Data, NBER West Center, Palo Alto, CA, May 2-3, 1974, issued as Discussion Paper No. 425, Harvard Institute of Economic Research, July 1975 (with Dale W. Jorgenson).
13. **“Estimates of Elasticities of Substitution for Commodity Imports Disaggregated According to Project LINK Classification,”** paper presented at the Sixth World Meeting of Project LINK, Washington, D.C., September 1974 (with Bert G. Hickman).
14. **“Statistical Determination of Functional Structure: An Expository Note,”** Working Paper, Department of Economics, Stanford University, November 1975.
15. **“On Weak Separability of Polynomials of Arbitrary Order,”** Working Paper, Department of Economics, Stanford University, December 1976.
16. **“An Approach to the Econometric Determination of Functional Structure Based on the Scheffe Procedure,”** Working Paper, Department of Economics, Stanford University, March 1976 (with Dale W. Jorgenson).
17. **“An Econometric Model of China,”** paper presented at the Conference on the Modern Chinese Economy in a Comparative Context, Stanford University, January 7-8, 1977 (with W.W.F. Choa, Wu-Long Lin and J.D. Shea).
18. **“Existence Conditions for Aggregate Demand Functions: The Case of a Single Index,”** Technical Report No. 248, Institute for Mathematical Studies in the Social Sciences, Stanford University, 1977.
19. **“Existence Conditions for Aggregate Demand Functions: The Case of Multiple Indexes,”** Technical Report No. 249, Institute for Mathematical Studies in the Social Sciences, Stanford University, 1977.
20. **“Properties of the Constant-Utility Minimum Wage Function,”** Working Paper, Department of Economics, Stanford University, 1977 (with J.H. Pencavel).
21. **“The Pacific Basin in World Trade: Part I, Current-Price Trade Matrices, 1948-1975,”** Working Paper No. 190, National Bureau of Economic Research Inc., Stanford, 1977 (with Bert G. Hickman and Y. Kuroda).
22. **“The Pacific Basin in World Trade: Part II, Constant-Price Trade Matrices, 1955-1975,”** Working Paper No. 191, National Bureau of Economic Research Inc., Stanford, 1977 (with Bert G. Hickman and Y. Kuroda).
23. **“The Pacific Basin in World Trade: Part III, An Analysis of Changing Trade Patterns,**

- 1955-1975," Working Paper No. 192, National Bureau of Economic Research Inc., Stanford, 1977 (with Bert G. Hickman and Y. Kuroda).
24. "On a Class of Matrices Whose Inverses Are Strictly Merely Positive Subdefinite," Working Paper No. 88, Institute for Mathematical Studies in the Social Sciences, Stanford University, December 1977.
 25. "A Note on Aggregate Demand Function Restrictions," Working Paper, Department of Economics, Stanford University, March 1978.
 26. "Intergroup Welfare Comparisons Using Aggregate Consumption Data," BNL 51140, Brookhaven National Laboratory, Upton, Long Island, NY, August 1979 (with Dale W. Jorgenson and Thomas M. Stoker).
 27. "The Choice of Functional Forms When Prior Information Is Diffused," paper presented at the Fourth World Congress of the Econometric Society, Aix-en-Provence, France, August 28-September 2, 1980 (with B.A. van Zummeren).
 28. "The Measurement of Productivity: A Lecture in Memory of Professor Ta-Chung Liu," Discussion Paper No. 8, Center for Economic Policy Research, Stanford University, July 1983 (mimeographed).
 29. "An Exploratory Model of Growth with Money," Conference on the Prospects for the Economy of Taiwan, Republic of China, in 1980's, National Central University, Chung-Li, Taiwan, Republic of China, June 1985.
 30. "The Impact of Agricultural Extension: A Case Study of the Training and Visit System in Haryana, India," World Bank Staff Working Papers No. 156, 1985 (with Gershon Feder and R.H. Slade).
 31. "Functional Forms and Exact Index Numbers," Fourth Karlsruhe Seminar, International Symposium on Measurement in Economics: Theory and Applications of Economic Indices, University of Karlsruhe, Karlsruhe, Federal Republic of Germany, July 1985.
 32. "The Inconsistency Between Expected Profit Maximization and Certainty Equivalence," Technical Paper No. 102, Center for Economic Policy Research, Stanford University, September 1986 (mimeographed) (with B.K. Ma).
 33. "Farmer Ability and Farm Productivity: A Study of Farm Households in the Chiangmai Valley, Thailand, 1972-1978," Report No. EDT 62, Education and Training Department, Operations Policy Staff, The World Bank, February 1987 (with E.C. Chou).

34. **“Commodity Aggregation without Homotheticity,” Working Paper, Department of Economics, Stanford University, March 1987 (mimeographed).**
35. **“Education and Economic Growth in Sub-Saharan Africa: An Aggregate Production Function Approach,” Working Paper, Department of Economics, Stanford University, May 1987 (with Dean T. Jamison).**
36. **“The Simulation of the Chinese Economy under Market-Determined Allocation Mechanisms,” paper presented at the World Meeting of Project LINK, Melbourne, Australia, September 1987 (mimeographed).**
37. **“Economics Education and Economic Development in China,” paper presented at the Colloquium on “Education toward Social Progress,” Nanjing, China, October 1988, also issued as “Economics and China,” Working Paper, Northeast Asia-United States Forum on International Policy, Stanford University, February 1989 (mimeographed).**
38. **“A Nonparametric Test of Parametric Functional Forms: An Application to the Transcendental Logarithmic Function,” paper presented at the National Science Foundation Conference on Parametric and Nonparametric Approaches to Frontier Analysis, University of North Carolina, Chapel Hill, NC, September 30-October 1, 1988 (mimeographed).**
39. **“The Effects of Economic Reforms on Chinese Agricultural and Industrial Productivity,” paper presented at the Conference on International Productivity and Competitiveness, Palo Alto, October, 1988 (with X.-K. Chen).**
40. **“Economies of Scale and Technical Change in Automobile Manufacturing: A Comparison of Japanese and United States Firms,” paper presented at the Allied Social Science Associations Meeting, New York, December 1988 (with M. B. Lieberman and M. D. Williams).**
41. **“Accounting for Intercountry Differences in Agricultural Productivity: Environment, Efficiency, Inputs, Scale and More,” paper presented at the Far Eastern Meeting of the Econometric Society, Kyoto, June 1989 (with P.A. Yotopoulos).**
42. **“A Microeconometric Model of Disequilibrium with 'Spillover' Effects: An Application to the Relationship between Credit and Productivity in Chinese Agriculture,” paper presented at the International Economic Association Meeting, Athens, August 1989 (with Gershon Feder).**
43. **“Quadrilateral Trading Patterns: China-Japan-U.S.A. and Rest-of-the-World,” paper presented at the American Economic Association Meeting, Atlanta, December 1989**

(with L.R. Klein, L.-S. Shen and L.-L. Xu).

44. **“Post-War Economic Growth in the Group-of-Five Countries: A New Analysis,”** Publication No. 217, Center for Economic Policy Research, Stanford University, July 1990; also issued as Working Paper No. 3521, National Bureau of Economic Research, Inc., Cambridge, MA (with Michael J. Boskin).
45. **“A Class of Utility Functions That Exhibit Decreasing Absolute and Increasing Relative Risk Aversion,”** working paper, Department of Economics, Stanford University, December 1990.
46. **“Economies of Scale in Chinese Agriculture: Evidence from Microeconomic Data,”** Working Paper, Department of Economics, Stanford University, January 1991 (with Gershon Feder).
47. **“Education and Productivity in Developing Countries: An Aggregate Production Function Approach,”** Working Paper WPS 612, the World Bank, Washington, D.C., March 1991 (with Dean T. Jamison and F.F. Louat).
48. **“Aggregate Saving Behavior in Chinese Societies,”** Research Memorandum No. 296, Center for Research in Economic Growth, Stanford University, February, 1991 (with S.P. Lau).
49. **“The Distribution of Educational Attainment and Productivity: The Case of Brazil,”** Working Paper, Stanford, CA: Department of Economics, Stanford University, April 1991 (with S.-C. Liu).
50. **“Lifetime Consumption and Saving of Individual U.S. Households: A Simulation Study,”** Working Paper, Stanford, CA: Department of Economics, Stanford University, May 1991 (with Michael J. Boskin and M.-L. Chen).
51. **“Economies of Scale and Technical Progress: The Japanese Petro-Chemical Processing Industry Revisited,”** Publication No. 260, Stanford, CA: Center for Economic Policy Research, Stanford University, June 1991 (with Shuji Tamura and Shu-Cheng Liu).
52. **“Labor-Augmenting Technical Progress is Neither Necessary Nor Sufficient for Harrod-Neutrality When Returns to Scale are Non-Constant,”** Working Paper, Stanford, CA: Department of Economics, Stanford University, October 1991 (mimeographed).
53. **“Growth versus Privatization--An Alternative Strategy to Reduce the Public Enterprise Sector: The Experiences of Taiwan and South Korea,”** Working Paper, Stanford, CA:

- Department of Economics, Stanford University, 1992 (with D.H. Song) (mimeographed).
54. "The Importance of Embodied Technical Progress: Some Empirical Evidence from the Group-of-Five Countries," Publication No. 296, Stanford, CA: Center for Economic Policy Research, Stanford University, June 1992 (with Jong-Il Kim) (mimeographed).
 55. "The Impact of Computer Technology on the Aggregate Productivity of the United States: An Indirect Approach," Working Paper, Stanford, CA: Department of Economics, Stanford University (with I. Tokutsu) (mimeographed).
 56. "Human Capital and Aggregate Productivity: Some Empirical Evidence from the Group-of-Five Countries," Publication No. 318, Center for Economic Policy Research, Stanford University, July 1992 (with Jong-Il Kim) (mimeographed).
 57. "Macroeconomic Policies for Stabilization and Growth: A Comment on Guo Shu-Qing, 'Develop China's Macroeconomic Management', paper presented at the International Conference on China's Macroeconomic Management, Dalian, June 10-12, 1993.
 58. "Poverty Alleviation in Taiwan," paper presented at the Seminar, "En la Huella de Miguel Kast: Los Nuevos Desafios de la Pobreza," organized by Fundacion Miguel Kast, Santiago, Chile, September 3-4, 1993.
 59. "Macroeconomic Stabilization and the Reform of Financial Institutions and the State-Owned Enterprises," paper presented at the Conference on the Chinese Economy 2000, Beijing, November 13, 1994.
 60. "How the East Grew Rich," keynote speech presented at the Salzburg Seminar, Stanford, December 1, 1994.
 61. "Industrial Policy in the Changing Global Environment," paper presented at Conference on "Asia into the Global Economy," Seoul, January 9-10, 1995.
 62. "European Union: An Asian Perspective," dinner speech presented at the Conference on "Options for the European Union: Meeting the Challenge of Enlargement," Stanford, March 17-18, 1995.
 63. "Economic and Political Factors in Mainland China," paper presented at the Second Annual Conference of the Pacific Pension Institute, Gleneden Beach, Oregon, July 20-23, 1995.
 64. "The Global Impact of Chinese Economic Growth," paper presented at the Meeting of the Aspen Strategy Group, Aspen Institute, Aspen, Colorado, August 20-25, 1995.

65. "Sources of Long-Term Economic Growth: Empirical Evidence from Developed and Developing Countries," paper presented at the Seventh World Congress of the Econometric Society, Tokyo, August 22-29, 1995.
66. "The China-U.S. Bilateral Trade Balance: How Big Is It Really?," Asia/Pacific Research Center, Stanford University, March 1996 (with Kwok-Chiu Fung).
67. "Pareto-Improving Economic Reforms through Dual-Track Liberalization," Discussion Paper No. 1595, Centre for Economic Policy Research, London, April 1997 (with Ying-Yi Qian and Gerard Roland).
68. "Reform without Losers: An Interpretation of China's Dual-Track Approach to Transition," Discussion Paper No. 1798, Centre for Economic Policy Research, London, February 1998 (with Ying-Yi Qian and Gerard Roland).
69. "New Estimates of the United States-China Bilateral Trade Balances," Occasional Paper, Asia/Pacific Research Center, Institute for International Studies, Stanford University, April 1999 (with Kwok-Chiu Fung), translated into Chinese as "Dui Mei Zhong Mao-Yi Ping-Heng Di Xin Gu-Suan," Guo-Ji Jing-Ji Ping-Lun (International Economic Review), No. 5-6, 1999, pp. 10-20.
70. "Aggregation without Homothetic Separability: A Conditional Aggregated-Inputs Production Function," Working Paper, Department of Economics, Stanford University, October 2000.
71. "Generalized Solow-Neutral Technical Progress and Postwar Economic Growth," Discussion Paper No. 00-12, Stanford Institute for Economic Policy Research, Stanford University, Stanford, CA, November 2000 and Working Paper 8023, National Bureau of Economic Research, Inc., Cambridge, MA, December 2000.