

MOHAMED A. EL-HODIRI

Department of Economics
The University of Kansas

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EDUCATION

- Ph.D. Economics and Mathematical Statistics, 1966, University of Minnesota.
- M.A. Mathematics, 1966, University of Minnesota.
- M.A. Economics and mathematical statistics, 1961, University of Minnesota.
- Aspirant (dynamical systems and probability theory), No Degrees: 1958-1959, Moscow Government University, Soviet Union
- Bachelor of Commerce, Economics, 1958, Cairo University.
- *Language Skills*: Arabic, Russian, French, and Biblical Hebrew

PROFESSIONAL POSITIONS

Administrative Positions

- Director, Transition Studies Program, University of Kansas, 1996-2000
- Associate Director, Institute for Public Policy and Business Research (IPPBR), University of Kansas, 1994-2000
- Director, Fiscal Management Training Project, NTF/Barents Group, Russian Federation, 1997-1999
- Co-Director, Research, IPPBR, University of Kansas, 1993-1994
- Associate Director, Research, IPPBR, University of Kansas,
- Director, Economic Research, IPPBR, University of Kansas, 1986-1993
- Research Associate, IPPBR, University of Kansas, 1984-2000
- Head, Department of Econometric Models, Institute of National Planning, Egypt, 1967-1968
- Director of Econometric Studies, Office of the Minister of Treasury, Egypt. 1966-1967

Teaching and Research Positions

- Professor of Economics, Department of Economics, University of Kansas, 1973-Present
- Curtsy Professor of Humanities and Western Civilization, University of Kansas, 1997-2010
- Curtsy Professor of African and Afro-American Studies, University of Kansas, 1984-Present
- Faculty Honors Fellow, University of Kansas, 2000-2006
- Professor of Russian and East European Studies, University of Kansas, 1995-2003
- Intra-University Professor, Mathematics, University of Kansas, 1981-1982
- Associate Professor, Economics Department, University of Kansas, 1969-1972
- Visiting Associate Professor, Economics Department, University of Kansas, 1968-1969
- Visiting Assistant Professor, Economics Department, Purdue University, 1965-1966
- Visiting Assistant Professor, Economics Department, University of Missouri-Columbia
- Instructor, NSF Summer Workshop on Mathematics for Professors of Economics, 1965
- Instructor, Economics Department, University of Minnesota, 1963-1965
- Advisor, Advisor to the PhD program in KazNu (eminna Abu Nasr Ali al Farabi أبو نصر علي الفارابي) Almaty, Kazakhstan , 2006-Present
- Consultant/Instructor, Sales Tax Project, Cairo Egypt (with KPMG and USAID), Summer 2000
- Chief Country Representative, Barents Group LLC, Russia, 1998-1999
- Chief Economist/Senior Resident Advisor, USAID Financial Restructuring Project, Russian Federation, 1993 – 1995
- Consultant, Sudan Government Transportation Project, 1973-1974

AWARDS AND HONORS

- Chancellor's Club Distinguished Career Teaching Award, University of Kansas, 2007
- Fulbright Senior Specialist, 2007-Present (Pending grants for Tajikistan and Russia)
- Mortar Board, 1995
- Ned N. Fleming Award Trust Award, University of Kansas, 1994
- Golden Key National Honor Society, University of Kansas, 1994
- Louise E. Byrd Graduate Educator Award, University of Kansas, 1993
- Fulbright Senior Lecturer, 1976-1977
- Fulbright-Hays Senior Scholar, Algeria. 1976-1977
- First of Graduating Class, Cairo University, 1958
- Egyptian Government Study Abroad Fellowship, 1958
- Biographical Information: 'Who is Who in Economics', and 'American Men and Women in the Social Sciences'.
- References to works in Palgrave Dictionary of Economics, and Handbook of Mathematical Economics.
- Fulbright Senior Expert, American University in Cairo, Egypt, 2012

TEACHING

- 1) Courses taught at the Undergraduate level (26 different courses in economics and other disciplines)
Principles of Economics, Principles of Economics (honours), Microeconomics, Microeconomics (honours), Elements Economic Planning, Mathematical Economics, Economics for Mathematicians, Mathematical Analysis, Welfare Economics, Economic Development, Economics of Russia and Eastern Europe, Freshman honours tutorial on Economics and the Economy, Western Civilization, Culture of the Arabs, University scholars seminar (seminar theme: Time), Honours Tutorials: Mystical Languages of unseeing, economics and the economy, , history of time, mean markets lizard brains. Humanities and Western Civilization: Courses: Science, Technology and Society, Honours Western Civilization (two Semesters), Science fiction writing (team taught).
- 2) Courses taught at the Graduate level (18 different courses)
Microeconomics, Macroeconomics, General Equilibrium, Optimization Theory, Economics for Mathematicians, History of Economic Thought, History and Philosophy of Economics, Planning Theory, Techniques of Economic Planning, International Trade Theory, Advanced Microeconomic Theory, Economic Development, Economic Dynamics. Economics of Transition. Contemporary reading of economics classics: Adam Smith, David Ricardo, Karl Marx, Thomas Robert Malthus, Alfred Marshal, Thorstein Veblen, and Henry George.(one semester each), Applied General Equilibrium.
- 3) Professional Training and Workshops.
Training of staffers of the Federal Parliamentary Chambers in Russia 1994-1996 (USAID project)
Training of Economic/fiscal management personnel in the Russian Federation 1998-2000 (World Bank/Russian Government Project)
Training of Research Department personnel in the Egyptian Sales Tax Administration 2000 (USAID Project).
Intensive course in nonstandard economic analysis, al Farabi University, Kazakhstan. 2006-2009
Workshop on PhD thesis research for Kazakh PhD students, Economics Department, KU 2006-2009

Ph.D. Thesis Committees Chaired

1. 1. William J. Weeks: An Evans Roos Model for the Dynamics of the Firm. (1972)
2. M. Obuzar: Educational Planning and Economic Growth. (1972)
3. Hak Rhee: Foreign Debt and Economic Growth. (1972)
4. Douglas Hale: Monopolistic Competition and General Equilibrium. (1972)
5. Zakaria Basha: Some Welfare Aspects of the Theory of Taxation. (1973)
6. Vern Lyon: Stability of Competitive Equilibria When the Aggregate Excess Demand Mapping is Multivalued. (1974)
7. Emad Zikry: A Monetary Growth Model with Unemployment and Inflation. (1978)
8. Monika Curry: Optimum Urban Policy for Housing and Transportation. (1979)
9. Trent Boggess: Fiscal Policy in a Growing Economy. (1979)
10. David Collins: Groundwater Allocation Mechanisms. (1980)
11. Shawkat Hammoudeh: Optimal Oil Pricing Policy for Saudi Arabia. (1980)
12. Farrokh Nourzad: Evaluation of Public Investment Projects in an Intertemporal Planning Model. (1981)
13. Ghulamali Sharzehi: Optimal Public Investment for Boomtowns. (1983)
14. Robert Kling: Welfare Implications of Rate-of-Return Regulation. (1984)
15. William Weber: Essays in Capital Theory. (1984)
16. Dan Biederman: Towards a Theory of Imperfect Capital Markets. (1986)
17. Mahmood Abul-Oyun: Pricing Electricity in Egypt. (1986) (Co-chair Dr. Sultan Abu Ali, Zagazig University, Egypt)
19. Hongshik Bae: Urban Employment and Migration. (1987)
20. Alexandre C. Assemien: Dynamic Linear Models With Public Investment In Economic Planning. (1988)
21. Frank L. Hefner: A Dynamic Computational General Equilibrium Model of the Kansas Economy. (1988)
22. Jan Aaftink: A Matching Model Of The Labor Market And The Commodity Markets. (1988)
23. Nolan Masih: Impact of Higher Education on a Local Economy (St Cloud, Minnesota). (1988)
24. Steven Spartan (co-chair with David Willer): An Immanent Refutation of the Neo-Ricardian Demonstration of Value/Price Non-Transformability (Sociology 1989).

25. Tayseer Khunaizyi: Economic, Political and Social Development in Saudi Arabia (Special Studies) (1993).
26. Qi Su: Essays on Government Budget Policy. (1995)
27. Chang Erh Chow: Computational General Equilibrium Model of Taxes (1997)
28. Janie Michelle Phelps: Reforms of the Russian Pension System (1998)
29. Fanru Meng: Transactions costs and benefits from trade (2001)
30. Talat Ulussever: Economic Analysis of Financial Reforms in the Turkish Economy (2004)
31. Azucena Monroy: Good and Not So Good Brain Drain, 2005
32. Rubana Mahjabeen: General Equilibrium Analysis of Microfinance with Special Attention to Bangladesh, 2005
33. Arsen Moldagalievich Tleppayev: Modelling of economic growth of the country rich natural resources by the example of Kazakhstan, co-chair with Bulat Mukhamediyev. Degree granted by Al-Farabi (أبو نصر علي) (الفارابي) Kazakh National University, Almaty, Kazakhstan. June 2008.
34. Zhanar Alimzhanovna Taizhanova: Modeling Human resources in Kazakhstan, co-chair with Bulat Mukhamediyev. Degree granted by Al-Farabi, (أبو نصر علي الفارابي) Kazakh National University, Almaty, Kazakhstan. June 2008.
35. Asset Botaibekov: Markowitz's model in improvement of multi –currency optimal investment portfolio on the pension funds of Republic of Kazakhstan. co-chair with R. E. Elemesov. Degree granted by Al-Farabi, (أبو نصر علي الفارابي) Kazakh National University, Almaty, Kazakhstan. June 2008.
36. Tatyana Viktorovna Kudasheva: Modeling and assessment of the impact of economic factors to the stratification of the Population of the Republic of Kazakhstan. Degree granted by Al-Farabi, (أبو نصر علي) (الفارابي) Kazakh National University, Almaty, Kazakhstan, October 2012.
37. Akmaral Kanseitkizi Kaseitova: Improvement of the personal income tax; problems, properties and perspectives. Degree granted by Al-Farabi, (أبو نصر علي الفارابي) Kazakh National University, Almaty, Kazakhstan, January 2013.

PUBLICATIONS

Articles in Journals

1. "Programming, Pareto Optimum and Existence Competitive Equilibria," (with Akira Takayama), *MetroEconomica*, Vol. 20, No. 1 (January-April 1968), 1-10.
2. "Pareto Optimality and Competitive Equilibrium in a General Equilibrium Model of Economic Growth." In *Papers in Quantitative Economics*. Lawrence, Kansas: University of Kansas Press, 1971.

3. "An Economic Model of a Professional Sports League," (with James Quirk). *Journal of Political Economy*, Vol. 79 (November 1971).
4. "The Ramsey Problem in Optimal Economic Growth Under Resource Limitations." *Metroeconomica*, XIII, No. 3, (1971), 197-208.
5. "On Comparative Statics." *Journal of Political Economy*, Vol. 80 (November-December 1972), 1320-22.
6. "Optimal Growth with Time Lags," (with Andrew Whinston and Edna Loehman). *Econometrica*, Vol. 40 (1972), 1137-47.
7. "Behavior of the Firm Under Regulatory Constraints," (with Akira Takayama). *American Economic Review*, (1973).
8. "Optimal Investment with Time Lags," (with E. Loehman and A. Whinston). *Metroeconomica*, Vol. 24, No. 2 (May-August 1973), 117-127.
9. "Economic Theory of Sports Leagues," (with James Quirk). *Public Policy and Professional Sports*, Brookings Institution, (1974).
10. "Sensitivity Analysis for an Optimal Control Problem." *IEEE Transactions on Automatic Control*, Vol. AC 20, No. 2 (April 1975).
11. "Stadium Capacities and Attendance in Professional Sports," (with James Quirk). *Management Science and Leisure*, 1975.
12. "A Simple Proof of the Ramsey Savings Equation (classroom note)." *SIAM Review*, Vol. 20, 1978.
13. "Information Efficiency of Economic Systems: A Cybernetic Approach," (with L.S. Fan). *Rohilkand University Economic Journal*, Vol. 1, No. 1 (1978), 57-66.
14. "Dynamic Behavior of the Firm with Adjustment Costs under Regulatory Constraint," (with Akira Takayama). *Journal of Economic Dynamics and Control*, Vol. 3 (1981).
15. "Evaluation of Long Term Forecasting Models." *Coal Models and Their Use in Government Planning*, New York: Praeger Publishers, 1982.
16. Polterovich's "Equilibrium Trajectories of Economic Growth." Translated and edited with commentary (with Iosif Krass). *Econometrica*, Vol. 51, No. 3 (May 1983).
17. "Boom Towns: Queue up or Bust, Proceedings of the Fourth International Conference on Mathematical Modeling." *Mathematical Modelling in Science and Technology*. New York: Pergamon Press, 1984.
18. "Properties of Consumer's Overtime Demand Functions." *Optimal Control Theory and Economic Analysis*, Vol. 2 (1985).
19. "Investment Demand Under Log-Linear Technology." *Economic Letters*, 25 (1987), 1-2.
20. "Leontief Coefficients," with Farrokh Nourzad. *Journal of Regional Science*, 28 (1988), 119-120.

21. "Modelling for Regional Public Policy," (with David Buress and Norm Clifford). Readings in Business and Economic Research, Feb. 1989, 9-19.
22. "Optimal Control with Multiple Criteria and Time Lags: Some Economic Applications," (with Fred Van Vleck). Operations Research Proceedings 1988. Berlin, Heidelberg: Springer Verlag, 1989.
23. "A Note on Leontief Technology And Input Substitution: A Reply," (with Farrokh Nourzad). Journal of Regional Science, 30 (1990).
24. "The Economics of Everything: The Economics of Time." In Dynamic Models and Optimal Control, Elsevier Science Publishers B.V., 1992, 231-237.
25. Accumulation and Maintenance of Social Capital; Faculty development and maintenance in Higher Education. (Invited Plenary paper), Proceedings Conference celebrating the 75th anniversary of Kazakh National University named after Abu Nasr Ali al-Farabi (أبو نصر علي الفارابي), Almaty, Kazakhstan 12-15 October 2009.
26. African Economic Development: An Overview, With Elizabeth Asiedu, JAD, volume 12, No. 2, 2010.
27. World Bank Participatory Development Approach in Country Assistance Strategy: The Cases of Mozambique and of the Republic of Senegal, with Rokhaya Ndiaye, JAD, volume 12, No. 2, 2010.
28. Why Kazakhstan should not listen to Orthodox Economists about International Economic Disorders, Addressing The Crisis In The Economy. Proceedings of International Scientific Conference on international Economic Disorders, Kazakh National University named after Abu Nasr Ali al-Farabi (أبو نصر علي الفارابي), Almaty, Kazakhstan 8 – 10 December 2010, pp 314 – 316. Part II.

Notes and Comments

1. "The Economics of Sleeping, (an appendix to: The Maths. Econo. Tricks)". *Manifold*, 17 (Autumn 1975). Reprinted in German translation as "Die Oonomik des Schalfens" in *Nationaloknomolgie* (1979) 101-103.
2. "Comment on The Laugher Curve, Letter to the Editor," *Scientific American*, March 1982.

Poems in English

(with Denise low): Poet! Help us genocide you and your own, here is a knife. *Coal City Review* 2009

Books and Monographs

1. Introduction to Mathematical Analysis, (with Moheb Ghaly) (in Arabic). Egypt: Asiut University, 1969.
2. Constrained Extrema: Introduction to the Differentiable Case with Economic Application, in *Lecture Notes in Operations Research and Mathematical Systems*, No. 56, New York, Heidelberg: Springer-Verlag, 1971.
3. Translation from Russian of *Mathematical Theory of Economic Dynamics*, by Rubinov, A.M. and Makarov, V.L. New York, Heidelberg: Springer-Verlag, 1976.
4. *Microeconomic Theory*, (with Yoshi Otani). New York, Heidelberg: Springer-Verlag, 1987. Available in electronic form from Springer-Verlag Archives

5. Extrema of Smooth Functions with Examples from Economic Theory. New York, Heidelberg: Springer-Verlag, 1991. Available in electronic form from Springer-Verlag Archives.

Book Reviews

1. Young. Lectures on the Calculus of Variations and Optimal Control Theory. Philadelphia: W.B. Saunders, 1979. In *Econometrica*.
2. Ju. N. Minaev. Stability of Mathematical Economic Models of Optimization (Russian). Moscow: Statistika, 1980. In *Mathematical Reviews*, 1982.
3. Baverman and M.I. Levin. Disequilibrium Models of Economic Systems (Russian). Moscow: Nauka, 1981. In *Mathematical Reviews*, 1983.
4. Hyden. Beyond Ujamaa in Tanzania: Underdevelopment and an Uncaptured Peasantry. Los Angeles: University of California Press, Berkeley, 1980. In *Journal of Asian and African Studies*, 1982.
5. Langdon. Multinational Corporations in the Political Economy of Kenya. New York: Martin's Press, 1981. In *Journal of Asian and African Studies*, 1984.
6. Lotov. Introduction to Mathematical Economic Modeling (Russian). Moscow: Nauka, 1984. In *Mathematical Reviews*, 1985.
7. Birchenhall and P. Grout. Mathematics for Modern Economics. Deddingham: Philip Allan, 1984. In *Mathematical Reviews*, 1985.
8. Petrov. Mathematical Modeling of Economic Development (Russian). Moscow: Znanie, 1984. In *Mathematical Reviews*, 1986.
9. Arunabha Baghchi. Stackelberg Differential Games in Economic Models. Berlin, New York: Springer-Verlag, 1984. In *Mathematical Reviews*, 1987.
10. Akira Takayama. Mathematical Economics (2nd edition). Cambridge: Cambridge University Press, 1985. In *Mathematical Reviews*, 1987.
11. Terrence Hutchison. Before Adam Smith: The Emergence of Political Economy 1662-1776. New York: Basil Blackwell, 1988. In *The Journal of Economic History*, 1991.
12. Gerald Scully The Market Structures of Sports (Invited) *Journal of Economic Literature* 1995
13. Andreu MasCollé: Microeconomic Theory .*The Journal of Economics*, 1997¹
14. Obstfeld, and Rogoff: Foundations of International Macroeconomics, *The Journal of Economics*, 1998²

¹ This review and the following one comprise the Essay: American Economic Theory; the book of micro and the book of macro. The essay (a reprint is distributed by IPPBR, Transition Studies Program.

² This review and the preceding one comprise the Essay: American Economic Theory; the book of micro and the book of macro. The essay (a reprint is distributed by IPPBR, Transition Studies Program.

Work in Progress

1. The American School of Economics, a Kantian eminent critique. Paper: Smith Notes 2, in process.
2. Measurement of Geographical Inequality in Kazakhstan Originated in Oil Revenues With Tatyana Kudasheva, ⁱSvetlana Kunitsaⁱⁱ, in process.
3. The poetry of Mohammad Affifi Matar (with Denise Low), manuscript completed, under review.
4. Promoting Compassion and Generosity through Attachment Security: The Cognitive and Neural Underpinning of Generosity Enhancement. Co-PI With Omri Gillath PI, and Ruth Ann Atchley Co-PI. 150,000 \$, University of Notre Dame, 10/1/2010 to 5/31/2012. Paper in process.
5. Social Capital , Spiritual Capital
6. Affordability Theory; the theory of virtual nirvana, a satire connected with contestability theory
3. Calculus of Set Valued Maps with Applications to Economics, (with Fred Van Vleck), a monograph
4. A Mathematical Invitation To Economics. An adaptation of Griffith Conrad Evans': Mathematical Introduction to Economics. McGraw-Hill, 1930. a monograph
5. Principles of Economics (in Arabic), (with Sultan Abu Ali and Hana'a Khair el Din). A book
6. Economic Theory and Intellectual Adaptation. a monograph
7. Structural Economics. a monograph
8. The Russian Economy in Transition, the application of American Economic Theory. a monograph

Papers Presented and scheduled to be Presented at Professional Meetings

1. Promoting Generosity through Attachment Security. With Gillath, O., Atchley, Science of Generosity Conference, Octobe 18-20 2012 , Philadelphia, PA.
2. Panelist : Future Directions of research, The Science of Compassion: Origins, Measures and Interventions July, 19-22 2012.Telluride, CO.
3. Promoting Generosity through Attachment Security. With Gillath, O., Atchley, R., M., Young, K., Imran, A., Sakaluk, J., & Lee.J . Paper to be presented at the annual meeting of the International Association for Relationship Research (IARR), Gillath, O., Atchley, R., El-Hodiri, M., Young, K., Imran, A., Sakaluk, J., & Lee, J Chicago, Illinois, July 2012
4. Reconciling Veblen and Marx via Adam Smith, American University in Cairo, June 2012.

5. Towards a Behavioral Model of a Capitalist Business Enterprise. Fourth Euro-African Conference in Finance and Economics (CEAFE 2012) will be held at the American University in Cairo, May 7-9, 2012
6. Why Kazakhstan should not listen to Orthodox Economists about International Economic Disorders, International Scientific Conference on international Economic Disorders, of Kazakh National University named after Abu Nasr Ali al-Farabi (أبو نصر علي الفارابي), Almaty, Kazakhstan 8 – 10 December 2010.
7. You Can't get there from here, African Econometric Society Annual Conference, July 7 – 9 , 2010 Cairo Egypt
8. Accumulation and Maintenance of Social Capital; Faculty development and maintenance in Higher Education. (Invited Plenary paper) Conference celebrating the 75th anniversary of Kazakh National University named after Abu Nasr Ali al-Farabi (أبو نصر علي الفارابي), Almaty, Kazakhstan 12-15 October 2009.
9. Where Should Econometricians Go, and what they can do once they get there. To be presented in: Logic, Game Theory, and Social Choice 6, Tsukuba, Japan Aug. 26 to 29 2009-05-27
10. The truth about the invisible hand: What Adam Smith really said. To be Presented at the IX Conference of the Society for Advancement of Economic Theory, Ischia, Italy June 30 to July 6 2009.
11. Towards a Non-mythical Theory of the Business Enterprise, WEAI Pacific Rim Conference, Kyoto, Japan, March 09.
12. "Applications of Islamic Value systems to economics", Conference on Doing Business in an Islamic Environment, University of Kansas, Lawrence, KS, March 2006.
13. "Spiritual Capital of positive and negative productivity", Hawaii International Conference on Arts and Humanities, Honolulu HI January 9-16 2006.
14. Discussion of business environment from Islamic Perspective, International Conference on Doing Business in Islamic Asia. Kuala Lumpur, Malaysia, June 21-23 2005
15. "Islamic Morality and Economic Theory", Business Environment from an Islamic Perspective, AlAzhar University, Cairo Egypt February 12 2005.
16. "The Smithian Economic Surplus and the Development of Islamic Social Economies" with Ron Stanfield and Mary Wrenn. The 2004 Middle East & Central Asia Politics, Economics and Society Conference; Transition and Inequality in the 21st Century. Sept. 9th –11th 2004, University of Utah, Salt Lake City, USA.
17. "Tax Reform, the Russian Experience", IIF congress, presentation as member of the Russian Delegation, Moscow 1999
18. "Taxation of Human Capital" with Fred Van Vleck, Vienna Workshop on Dynamical Systems, Vienna 1997
19. "American Economic Theory", Plenary Presentation, Vienna Workshop on Dynamical Systems, Vienna 1997
20. "Gains from Trade with Exhaustible Resources; A Preliminary Investigation in a General Equilibrium Model", with Janett Highfill, International Trade and Finance Association conference, San Jose, Costa Rica, May 1995.
21. "Discussion in George Stigler Prospective" by invitation workshop sponsored by Liberty Fund, Chicago, IL May 1995.
22. "Taxation of Human Capital" with Fred Van Vleck, SIAM Conference on Control, St Louis MO April 1995.
23. "Taxation of Human Capital", Invited presentation, Central Mathematical Economics Institute, Russian Academy of Science, Moscow, March 1995.
24. "Industrial Policy in the Context of Privatization." Invited address to Thirteenth Congress of The Egyptian Society for Legislation, Economics, and Statistics, Cairo, Egypt. November 1992.
25. "The Economics of Everything: The Economics of Time." The Fourth Viennese Workshop on Dynamic Economic Models and Optimal Control, Vienna, Austria. June 12-14, 1991.
26. "Ranking of Sectors in the Egyptian Economy," (with Hana'a Khair El Din, Cairo University). MEEA Meeting, Washington D.C. December 27-30, 1990.
27. "Internalizing Externalities and Parallel Computing." SIAM Annual Meeting, San Diego, California. July 17-21, 1989.
28. "Leading Sector Analysis with Uncertainty in Leontief Models," (with James Quirk). Regional Science Association 35th North American Meetings, Toronto, Canada. November 11-13, 1988.

29. "Positive Cone Controllability for Linear Control Systems with Delays," (with Fred Van Vleck). American Mathematical Society Eight Hundred Forty-fifth Meeting, University of Kansas. October 28-29, 1988.
30. "Modelling for Public Policy," (with David Burress and Norm Clifford). AUBER Conference 1988, Indianapolis, Indiana. October 9-12, 1988.
31. "Modelling the Kansas Economy," (with David Burress and Norm Clifford). Kansas Economic Outlook Conference, Lawrence, Kansas. October 7, 1988.
32. "Optimal Control with Several Criteria and Time Lags," (with Fred Van Vleck). DGOR, Berlin. September 13-16, 1988.
33. "A Dynamic I-S Curve." Eastern Economic Association, Boston, Massachusetts. March 1988.
34. "Optimization in the Channel Model II," (with Fred Van Vleck). DGOR, ULM. September 24-26, 1986.
35. "Optimization in the Channel Model I," (with Fred Van Vleck). 11th Symposium UBER Operation Research, Technische Hochschule Darmstadt. September 1-3, 1986.
36. "Efficiency, Discounting and Evaluation of Production Streams," (with William V. Weber). Econometric Society, New York, N.Y. December 1985.
37. "Demand Functions Over Time and the Permanent Income Hypothesis," (with William V. Weber). Eastern Economic Association, Pittsburgh, Pennsylvania. March 1985.
38. "Properties of Consumer's Demand Over Time." Second Vienna Workshop on Applications of Optimal Controls to Economics, Vienna, Austria. May 1984.
39. "Near Optima and Near Equilibria." Econometric Society Meetings, San Francisco. December 1983.
40. "Boom Towns, Queue up or Bust." Fourth International Conference on Mathematical Modeling, Zurich, Switzerland. August 15-17, 1983.
41. "Augmented Lagrangians and the Efficiency of Imperfect Competition." 11th IFIP Conference on System Modeling and Optimization, Copenhagen, Denmark. July 25-29, 1983.
42. "Supply of Labor: Midwest Mathematical Economics Association." Ann Arbor, Michigan. November 1981.
43. "Some Welfare Economic Remarks about Impacted Communities." Eastern Economic Association, Montreal, Canada. May 1980.
44. "Evaluation of Long Term Forecasting Models." JPL-CALTCH Conference on Coal Models, Carmel, California. July 1979.
45. "Economic Policies and Optimal Management of Forest Resources." SIAM Meeting, Toronto, Canada. June 1979.
46. "Stadium Capacities and Attendance in Professional Sports," (with J. Quirk). ORSA-TIMS Meeting, San Juan, Puerto Rico. October 1974.
47. "An Optimal Growth Model with Time Lags," (with Loehman and Whinston). Econometric Society Meetings, Detroit, Michigan. 1970.
48. "Optimal Growth with Time Lags," (with Andy Whinston). Kansas-Missouri Seminar in Theoretical and Applied Economics, Lafayette, Indiana. 1970.
49. "Decentralized Characterization of Optimal Economic Development Programs." Kansas-Missouri Seminar in Theoretical and Applied Economics. Boulder, Colorado. February 1969.
50. "Price Implications of Dynamic Pareto Optimality," (with Akira Takayama). The Econometric Society Meetings, Toronto, Canada. October 1967.

SELECTED RESEARCH AND CONTRACTS

1. "Kansas Economy Modeling," Research Improvement Award, GRF-University of Kansas (with Anthony Redwood), 1984- 1986.
2. "Kansas Economic Modeling Project," Board of Regents Award (with Anthony Redwood), 1986- (300,000\$ a year, currently the project funding is part of IPPBR budget).
3. "Return on Public Investment," Kansas Technology Enterprise Corporation, 1991- .

4. "Kansas Water Supply and Demand," Water Resource Institute (with Bob Glass), 1991-1992.
5. "Existing Potential Legal and Economics Aspects of Kansas Water Markets," Water Resource Institute (with Norm Clifford, Bob Glass and John Peck), 1994
6. USAID Fiscal Restructuring Project with Barents Group, Moscow. 1994-1996
7. Fiscal Management Training Project, NTF - World Bank/Barents Group Moscow Russia 1998-2001
8. Promoting Compassion and Generosity through Attachment Security: The Cognitive and Neural Underpenning of Generosity Enhancement. Co-PI With Omri Gillath PI, and Ruth Ann Atchley Co-PI. 150,000 \$, University of Notre Dame, 10/1/2010 to 5/31/2012

SERVICE

To The Department of Economics

- Grievance Committee (current), Honours coordinator , Undergraduate Program Committee (current). Executive Committee (elected) (several times in the past), Liaison to African studies, Liaison to CREEES, Liaison to Honours Program , Faculty Evaluations Committee . Departmental P&T (Current), Department Sabbatical leave committee 2007, and 2008,
- Oswald Chair Search Committee (chair), Graduate Program Committee (several terms). Recruitment Committee . Colloquium Committee 2008, Coordinator of Speakers Program, 1987-1988.
- Editor of Working Paper Series, 1987- 1993. Ad Hoc Committee to evaluate the teaching of the Principles Course, 1992-1993. Graduate Admissions Committee, 1991- .1993, 2007-2008, PhD exam committee 2008, 2009.

To The College of Arts and Sciences

- CGIS executive committee (current), Search Committee for African Studies (2005), Executive Committee for Kansas African Studies Center (KASCR) (current), Honors Faculty Fellow, Chair, Sabbatical Leave Committee (elected two terms), Elections Committee, 1994-1995,2008- current³ , Promotion and Tenure (elected), 1986-1988 and 2006-2009. , Committee to recruit a Soviet Area Studies Economist, 1990 Search Committee for Soviet Area Specialist, 1990-1991.College Program Evaluation Committee, 1992.
- Recruitment Committee, Mathematics Department, several terms. Sabbatical Leave Committee (elected), two terms.
- Advisory Committee, Computer Science Department, 1992-1993. Oversight Committee, Economics Department, 1993-1995 Executive Committee, REES (elected) 1994-1995, 1995-1996.

To Institute of Public Policy and Business Research

³ Current=2012-2013

- Organizer of the Institute's Seminar Series. Promotions committee

To The University

- University Senate, elected, 2012- . O&A, Task Force on Article IV, TRP, TRI 2010. University Senate Research Committee, (several terms, chair), University Council (elected) (5terms).(Current), University Senate Executive Committee (elected 5 terms) (current), Chair University Senate Executive Committee (elected)1997-1998, President Elect of The University Council 1998, University Committee on Sabbatical Leaves. Chair, University Committee on Planning and Resources. Intra-University Professorship Review Committee. FRPR Committee. Mentor for University Scholars Program. Truman Scholarship Committee. Summer Honors Institute Committee. Task Force on Minority Concerns, 1988.Executive Committee of the Center for International Programs, 1988-91.Chair, Subcommittee on Curriculum and Research, International Studies and Programs., 1989-1990.Chair, Nominating Committee, International Studies and Programs, 1990.University Promotion and Tenure Committee, 1988.Chair, Ad Hoc Committee to study the Sabbatical Leave Process, 1989.
- Chair, Ad Hoc Committee to study the University Salary Structure, 1989-1991.Planning and Resources (chair 1991-92, 1992-93), 1990-1993. Mission 2000 Steering Committee, 1991-1993.University-wide Program Evaluation Committee, 1992-1993.Committee to evaluate the Dean of the College, 1992-1993.
- Search Committee for University Professor of Political Economy, 1992-1993.Committee on M.A. in International Studies, 1992-1993. University Scholars Steering committee, 1993- 2007. Organized ,and Personally funded preparations for, conference on Doing Business in an Islamic Environment, KU Lawrence, KS March 2006. University Senate (elected 2006-2009). Faculty Rights Board 2006- .
- Faculty Handbook Task Force 2010

To The Profession

- Organized workshop on Business environment from an Islamic perspective Cairo Egypt 2005, Lawrence KS 2006.
- Referee for Econometrica, Review of Economic Studies, Journal of Economic Education, Journal of Economic Theory, Journal of Economic Dynamics and Control, Journal of Institutional and Theoretical Economics, Mid-American Journal of Politics, Journal of Optimization Theory and Its Applications, Journal of International Trade and Economic Development, and Journal of Economics, Journal of Institutional and Theoretical Economics, Journal of economic education, Economic Systems.
- Reviewer for Mathematics Reviews. Co-Chair: Applications of control theory in economic theory (with Fred Vanvleck) SIAM Conference on Control St Louis, April 1995. Unpaid Volunteer Professor for 2 weeks in New Economics School, Russian Academy of Sciences, 1995. Outside reviewer for promotions decisions. Member of the Editorial Board of Middle Eastern Economics and Business Review. Member of the Editorial Board of the Kansas Business Review. Co-chair, Program Committee, Association of University Business and Economic Research (AUBER) National Meeting, 1990.

To The Community

- Town Hall Meeting on economic trouble in US, Oct. 27 2008, Lawrence Public Library
- Round Table Discussion on Economic Troubles in US, Central National Bank Women's Roundtable, Nov 19 2008
- Boy Scout Troop 60 Committee, 1972-1979. Helped with Officiating Track Meets for Kansas Relays and Lawrence Road Runners, 1980-1994. Day of Caring with Golden Key members at Ballard Centre Sep 1995.

PROFESSIONAL AFFILIATIONS (past and present)

- American Economic Association (currently inactive)

- American Association for Evolutionary Economics (currently inactive)
- Western Economic Association (current)
- Mathematical Association of America (currently inactive)
- Society for Industrial and Applied Mathematics (SIAM) (current).
- SIAM Activity Group on Optimization. (current)
- SIAM Activity Group on Dynamical Systems (current)
- Society for Neuroeconomics (current)
- AAUP: President University of Kansas Chapter, President Kansas Conference. 2010-2012

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