

ANAND DESAI

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EMPLOYMENT

- 2007 – Professor, John Glenn School of Public Affairs, The Ohio State University.
- 1992 – 2007 Associate Professor, School of Public Policy and Management, The Ohio State University.
- 1988 – 1989 Consultant, Planning Commission, Government of India, New Delhi.
- 1986 – 1992 Assistant Professor, School of Public Policy and Management, The Ohio State University.
- 1985 – 1986 Instructor, School of Public Administration, The Ohio State University.
- 1984 – 1985 Lecturer, Department of Decision Sciences, Wharton School, University of Pennsylvania.
- 1979 – 1980 Teaching Fellow, Department of Mathematics, University of Pennsylvania.

Administrative appointments

- 2009 – Director, Doctoral Program, John Glenn School of Public Affairs, The Ohio State University.
- 2007 – 2007 Interim Director, John Glenn School of Public Affairs, The Ohio State University.
- 2005 – 2006 Interim Director, School of Public Policy and Management, The Ohio State University.
- 1994 – 1996 Associate Director, School of Public Policy and Management, The Ohio State University.

OTHER AFFILIATIONS

- Professor (by courtesy), Department of Management Science, Fisher College of Business, The Ohio State University.
- Center Scholar, Center for Health Outcomes, Policy, and Evaluation Studies, The Ohio State University.
- Member, Environmental Science Graduate Program Faculty, The Ohio State University.

EDUCATION

- 1986 Ph.D. (Public Policy Analysis) *University of Pennsylvania*, USA
 Title: Extensions to Measures of Relative Efficiency with an Application to Educational Productivity
- 1980 M.S. (Operations Research) Wharton School, *University of Pennsylvania*, USA
- 1977 Statistical Laboratory, *University of Cambridge*, UK.
- 1976 B.S. (Honors in Mathematical Statistics and Mathematics) *University of Leicester*, UK.
- 1973 B.S. (Honors in Mathematics) *University of Delhi*, India.

PUBLICATIONS

Books

A Desai (Ed.) *Simulations for Policy Inquiry*. New York, NY: Springer (forthcoming)

P.J. Balint, R.E. Stewart, A. Desai, and L.C. Walters. *Wicked Environmental Problems: Managing Uncertainty and Conflict*. Washington, DC: Island Press. 2011.

Book Chapters

A. Desai “Public policy inquiry and simulations” in A Desai (Ed.) *Simulations for Policy Inquiry*. New York, NY: Springer (forthcoming).

P. Lufkin, R. Hightower, D. Landsbergen and A. Desai “Simulating the Multiple Impacts of Deferred Maintenance” in A. Desai (Ed.) *Simulations for Policy Inquiry*. New York, NY: Springer (forthcoming)

A. Eckerd, P. Lufkin, B. Mattimore, J. Miller and A. Desai “Simulating Life Cycle Costs for Nuclear Facilities” in A. Desai (Ed.) *Simulations for Policy Inquiry*. New York, NY: Springer (forthcoming)

J. Ramanathan, R Ramnath and A. Desai “Adaptive IT Architecture as a Catalyst for Network Capability in Government,” in *Advances in Government Enterprise Architecture*, Pallab Saha (Ed.) 2008. Singapore: Information Science Reference.

Y Chang and A Desai. “Local Control, Local Capacity and Regulatory Effectiveness” in *Creating Sustainable Community Programs*, Mark Daniels (Ed.) 2001. 176-191, Westport CT: Praeger.

A Desai “Program Evaluation, Best Practices and Data Envelopment Analysis” in *Policy Analysis Methods*, Stuart S. Nagel (Ed.) 1999, 183-203, Commack, NY: Nova Science Publishers.

A Desai, K Haynes and JE Storbeck. "A spatial efficiency framework for the support of locational decisions," in *Data Envelopment Analysis: Theory, Methodology and Applications*, A. Charnes, W. W. Cooper, A. Lewin and L. Seiford (eds.) 1995, 235 - 252, Boston: Kluwer Academic Press.

MJ Feuer, HA Glick, and A Desai. "Firm-financed education and specific human capital: A test of the insurance hypothesis," in *Market failure in training? New economic analysis and evidence on training of adult employees*, David Stern and Josef M.M. Ritzen (Eds.) 1991, 41-59. New York: Springer-Verlag.

Refereed Journal Articles

A Desai, RT Greenbaum and Y Kim, "Incorporating Policy Criteria in Spatial Analysis" *American Review of Public Administration*. 39(1) 23-42, 2009. Awarded **Health Policy Researcher of the Year, 2009**.

A Desai "Quantitative Methods, Economics, and OR Models." *Journal of Policy Analysis and Management*, 27(3), 640-669, 2008.

A Desai. "Adaptive Complex Enterprise." *Communications of the Association of Computing Machinery*, 48(5), 32-35, 2005.

P Lufkin, A Desai, and J Janke, "Estimating the Restoration and Modernization Costs of Infrastructure and Facilities." *Public Works Management and Policy*, 10(1), 40-52, 2005.

RT Greenbaum and A Desai, "Viewing Spatial Consequences of Budgetary Policy Changes" *Public Budgeting & Finance*, 25, 43-60, June 2005
<http://ssrn.com/abstract=739394>

A Desai, SJ Ratick and AP Schinnar. "Data Envelopment Analysis with Stochastic Variations in Data." *Socio-Economic Planning Sciences*, 39(2) pp 147-164, 2004.

PV Balakrishnan, R Natarajan, and A Desai. "Consumer rationality and economic efficiency: Is the assumed link justified?" *Marketing Management Journal*, 10(1) 1-11 2000.

C Weber, J Current and A Desai. "An Optimization Approach to Determining the Number of Vendors to Employ." *Supply Chain Management*, 5(2) 90-98, 2000.

C Weber, J Current and A Desai. "VendOR: A Structured Approach to Vendor Selection and Negotiation," *Journal of Business Logistics*, 21(1) 135-167, 2000

C Weber, J Current and A Desai. "Non-Cooperative Negotiation Strategies for Vendor Selection," *European Journal of Operational Research*, 108, 208-223, 1998

- C Weber and A Desai. "Determination of Paths to Vendor Market Efficiency using Parallel Coordinates Representation: A negotiation Tool for Buyers," *European Journal of Operational Research*, 90, 142-155, 1996.
- PV Balakrishnan , A Desai and JE Storbeck. "Efficiency Evaluation of Retail Outlet Networks," *Environment and Planning B: Planning and Design*, 21, 477-488, 1994.
- A Desai. "Data Envelopment Analysis: A Clarification." *Evaluation and Research in Education*, 6(1), 39-41, 1992.
- A Desai and M-B You. "Policy Implications from an Evaluation of Seat Belt Use Regulation." *Evaluation Review*, 16(3), 247-265, June 1992.
- D Andersen, A Desai, D DeShon and B Fry. "The NASPAA Alumni Survey Pilot: Design and preliminary results," *American Review of Public Administration*, 21, 205-236, 1991.
- A Desai and JE Storbeck. "A note on the constraint inherent in successively-inclusive location hierarchies." *Geographical Analysis*, 23(4), 174-179, 1991.
- T Gullledge, KE Haynes, HFE. Shroff, A Desai and JE Storbeck. "A DEA approach to siting decision sensitivity." *Regional Science Review*, 18, 71-80, 1991.
- A Desai and LC Walters. "Graphical presentations of Data Envelopment Analysis: Management implications from parallel axis representations." *Decision Sciences*, 22(2), 335-353, 1991.
- A Desai and AP Schinnar. "Technical issues in measuring scholastic improvement due to compensatory education," *Socio-Economic Planning Sciences*, 24, 143-153, 1990.
- A Desai and JE Storbeck. "A data envelopment analysis for spatial efficiency." *Computers, Environment and Urban Systems*, 14, 145-156, 1990.
- A Desai and JE Storbeck. "Characterization of the constraint in successively inclusive location hierarchies," *Environment and Planning B: Planning and Design*, 15, 131-141, 1988.
- A Desai and JS Henderson. "Natural Gas Prices and Contractual Terms," *Energy Systems and Policy*, 12, 255-271, 1988.
- M Feuer, H Glick and A Desai. "Is firm sponsored education viable?" *Journal of Economic Behavior and Organization*, 8, 121-136, 1987.
- TL Saaty and A Desai. "Decision making in fleet administration," *NAFA Bulletin*, April 1979.

Articles under Review

Yushim Kim, Anand Desai and David Landsbergen. "Simulations as Narratives" under review at *Administration & Society*.

Roy Heidelberg and Anand Desai. "Simulation Rules" under review at *Philosophy and Technology*.

Other Articles

Eckerd, A., D. Landsbergen, and A. Desai. The Validity Tests Used by Social Scientists and Decision Makers. *Proceedings of the 29th International Conference of the System Dynamics Society*, 2011.

<http://www.systemdynamics.org/conferences/2011/proceed/index.html>.

Anand Desai and Young Bum Lee. "Fairness: Values and Process." *Proceedings of the Korean Association for Policy Studies International Conference on Fairness in Public Policy: Efficiency, Equity and Beyond*. Seoul, Korea, June 2011.

Balint, P.J., R.E. Stewart, A. Desai, and L.C. Walters. Managing Wicked Environmental Problems: Integrating Public Participation and Adaptive Management. *Proceedings of the 2006 National Convention of the Society of American Foresters*. Pittsburgh, PA, Oct 25-29, 2006.

S. Koundinya, A. Desai and R. Burns. "Cost Allocation methods for sustainability: lessons from US electric Utility regulation." *Proceedings of the 20th Annual International Conference, International Association of Energy Economics*, 889-898, 1997.

K.E. Haynes, Y. Xiao, A. Desai and JE Storbeck. "Extending multiple objective programming for siting decision sensitivity," *Modeling and Simulation*, 22, 1990.

A Desai and M-B You. "Incentive regulation and the measurement of performance," *Proceedings of the Sixth NARUC Biennial Regulatory Information Conference*, 3, 155-181, 1988.

A Desai and M-B You. "The effects of highway maximum speed limits on traffic accidents in Ohio," *Modeling and Simulation*, 19, 353-358, 1988.

Book Reviews

Moderating the debate: Rationality and the Promise of American Education by Michael J. Feuer, in *Journal of Policy Analysis and Management*, 27(2) 449-452, 2008

A new mind for policy analysis: Toward a post-Newtonian and postpositivist epistemology and methodology by Göktug Morçöl in *Perspectives on Political Science*, 33(3) 187, Summer 2004.

Input-Output Analysis: Foundations and Extensions, by Ronald E. Miller and Peter D. Blair in *Newsletter*, TIMS College on Public Programs and Process, 1985.

Policy Research Reports

Hayes, W.D, A. Desai, R.J. Caswell, J.B. Silvers *Ohio Trends in Employer Sponsored Health Insurance*. John Glenn School of Public Affairs, Columbus, Ohio. 2011.

Bystydzienski J, Desai A, Howe S, Lang J, et al. *Comprehensive Equity at Ohio State ADVANCE: Mid-Project Research Report* December 2010. Ohio State University ADVANCE Program. Report available online at <http://ceos.osu.edu/assets/files/CEOS%20Research%20Report.pdf>.

Evaluation Report: Pandemic Influenza Preparedness Project: Rural Emergency Management System, Centers for Disease Control and Ohio Department of Health. 2009.

Evaluation Report: Pandemic Influenza Preparedness Project: Distribution of Anti-viral drugs, Centers for Disease Control and Ohio Department of Health. 2009.

Evaluation Report: Pandemic Influenza Preparedness Project: Vulnerabilities in Populations, Centers for Disease Control and Ohio Department of Health. 2009.

Evaluation Report: Pandemic Influenza Preparedness Project: Mass Fatalities, Centers for Disease Control and Ohio Department of Health. 2009.

R. Ramnath, and A. Desai, City of Columbus, 311 Impact Evaluation, Final Report. Columbus, Ohio, 2007

A. Desai, M. Stanford, J. McGarvey. "Using financial, technical and managerial capacity measures in an assistance-oriented approach to comparative performance assessment of small drinking water utilities in the Midwest Technology Assistance Center Region." National Regulatory Research Institute, Columbus, Ohio. June 2006

A. Desai and Y Kim. "Growth Study: Village of Plain City" February 2006

A. Desai, Y. Kim and R Greenbaum. "Estimating Local Effects of Medicaid Expenditure Changes." Available at: <http://www.healthpolicyohio.org/pdf/MedicaidExpendReport.pdf>. December 2005

A. Desai, Y. Kim and R Greenbaum. "Estimating the results of reduced Medicaid expenditures." Testimony presented to the House sub-committee on Human Services, Ohio Legislature, March 2005.

LC Walters, PJ Balint, A Desai and RE Stewart. *Risk and Uncertainty in Management of the Sierra Nevada National Forests*, USDA Forest Service, Sacramento, CA, 2003. Available at: http://www.gunston.doit.gmu.edu/snfpa_risk/Finalreport.doc

R. Greenbaum and A Desai. Uneven Burden: Economic analysis of Medicaid expenditure changes in Ohio. The Health Foundation of Greater Cincinnati, Cincinnati, Ohio 2003. Available at: <http://www.ppm.ohio-state.edu/ppm/Medicaid.pdf>.

A. Desai P Panzano, L Herman, Y-B Lee, and P Baird. Needs Assessment. Report to the Franklin County Alcohol, Drug Addiction and Mental Health Board, Columbus, Ohio, 2002

A Desai and Y-B Lee. Assessing Medicare Outreach Programs. Report to the Ohio Department of Human Services. 2000.

R Backoff, S Catana, A Desai, M-B You and J Palmer. Strategic Plan for the Columbus Division of Fire. Columbus, Ohio. September 1998.

A Desai. Ohio Studies of Best Urban Practice: Progress Report, Columbus, Ohio. June 1998.

A Desai and J Wilhelm. Returning to work after Defense Cutbacks, Report to the Ohio Department of Development, Columbus, Ohio, August 1997.

A Desai with J Morrison. Information Audit, report to the Franklin County Alcohol, Drug Addiction and Mental Health Services Board, Columbus, Ohio, 1994.

J Cummings-Saxton, SJ Ratick, A Desai and H Morehouse Garriga Pollution Prevention Frontiers and other approaches to measuring pollution assessment, report to U.S. Environmental Protection Agency, 1994.

J Cummings-Saxton, SJ Ratick and A. Desai. Pollution Prevention Frontiers: An approach to measuring pollution prevention progress, report to U.S. Environmental Protection Agency, 1993.

A. Desai and MW Schramm An Analysis of Accident Patterns on Ohio Highways, report to the Ohio State Highway Patrol, 1992.

PS Lufkin and A. Desai. The estimation of building maintenance and repair costs, Science Applications International Corporation, Santa Barbara, California, 1992.

D Andersen, A Desai, D DeShon and B Fry The NASPAA Alumni Survey Pilot: Design and preliminary results, report to the National Association of School of Public Affairs and Administration, 1991.

A Desai. Monitoring the operation and performance of thermal power stations, report to the Planning Commission, Government of India, New Delhi, 1989.

A Desai. Analysis of accidents on rural interstate highways in Ohio, report to the Ohio State Highway Patrol, Columbus, Ohio, 1988.

JS Henderson, A Desai, et al. Natural gas producer-distributor contracts: State regulatory issues, The National Regulatory Research Institute, Columbus, Ohio, November 1987.

AP Schinnar, A Desai, J Rovi and Z Mian. A model of petroleum supply and shipment for the South Pacific Islands, report to the World Bank, 1986.

A Finnel, SK Gupta, D Turek and A Desai. Impact of the Tobacco Industry on the U.S. Economy, report submitted to the Tobacco Institute. Wharton Applied Research Center, June 1979.

SELECTED FUNDED RESEARCH

- 2011 – 2013 The Ohio STEM Learning Network: A Study of Factors Affecting Implementation, Spread and Sustainability, *National Science Foundation*. Co-PI. \$167,850 (Collaboration with University of Chicago)
- 2011 – 2012 Spurring Innovation through Advanced Data Visualization Tools: Exploring How to Dynamically Identify and Connect Regional STEM Assets, *National Science Foundation*. Co-PI. \$53,836 (Collaboration with Delaware Valley Industrial Resource Center, Philadelphia, PA)
- 2011 Trends in Employer Sponsored Insurance. *Government Resource Center*, Columbus Ohio. Co-PI. \$150,000.
- 2009 – 2012 Infrastructure Cost Support for NNSA Enterprise Modeling. *Whitestone Research and Lawrence Livermore National Laboratories*. \$130,000
- 2008 – 2013 Comprehensive Equity at Ohio State, ADVANCE Grant, *National Science Foundation*, Co-PI. \$3.6 million
- 2008 – 2009 Pandemic Influenza Preparedness Project: Rural Emergency Management System, *Centers for Disease Control and Ohio Department of Health*. \$100,000
- 2008 – 2009 Pandemic Influenza Preparedness Project: Distribution of Anti-viral drugs, *Centers for Disease Control and Ohio Department of Health*. \$20,000
- 2008 – 2009 Pandemic Influenza Preparedness Project: Vulnerabilities in Populations, *Centers for Disease Control and Ohio Department of Health*. \$60,000
- 2008 – 2009 Ohio Electronic Health Records, *Health Policy Institute of Ohio*. \$33,800
- 2008 Evaluation of Training of Public Health Personnel and Public Health Partners in the "Planning P Process" for a Type 3 Incident. *Ohio Department of Health*. \$15,000.
- 2006 – 2008 Evaluator for TANF demonstration projects. *Ohio Department of Job and Family Services*, Principal Investigator and Project Director, Co-PIs: Theresa Heintze and Randy Olsen. \$1.3 million
- 2005 – 2006 Growth Study, *Village of Plain City*, Ohio \$6,958
- 2005 – 2006 Using Technical, Managerial, and Financial Capacity Measures in an Assistance-oriented Approach to Comparative Performance Assessment of Small Investor Owned Drinking Water Utilities, *Midwest Technology Assistance Center*. Co-Principal Investigator with R Lawton. \$45,000

- 2003 – 2004 Risk and uncertainty in the policy choices for the national forest: The Sierra Nevada case. *US Forest Service*. Co-PI. Funding through George Mason University, \$354,000, OSU Share \$44,630
- 2003 Analysis of the Economic Implications of Changes in Medicaid Expenditures on Ohio Counties *Health Foundation of Greater Cincinnati*. Co-PI \$24,150
- 1999 Evaluation of Outreach Programs, *Ohio Department of Human Services*, \$3,000
- 1998 Data Analysis for Decision Support, *Ohio Department of Mental Health*, Co-PI, \$31,979
- 1997 - 1999 Best Practices Pilot Project: University collaboration with 9 Ohio Communities. \$20,500
- 1997 - 1998 Performance Based Strategic Planning, *Columbus Division of Fire*, Columbus, Ohio: Co-PI. \$48,000
- 1997 – 1998 How Clean is Clean? *Committee on Urban Affairs*, Ohio, Co-principal investigator, \$19,000
- 1997 Returning to Work after Defense Cutbacks, *Ohio Department of Development*, Columbus, Ohio
- 1996 Quality of Service Survey of Commercial and Residential Telephone Users, *National Regulatory Research Institute*, Columbus, Ohio. \$6,500
- 1995 - 1997 Use and Effectiveness of grants and loans for wastewater treatment, *Ohio Environmental Protection Agency*, Columbus, Ohio, \$88,553
- 1994 - 1995 Information Audit and System Design, *Franklin County Alcohol, Drug Addiction and Mental Health Services Board*, Columbus, Ohio.
- 1994 - 1995 Contractual Behavior and Performance of Mental Health Care Service Provision in Urban Ohio. *Committee on Urban Affairs*, Ohio, Co principal investigator, \$17,000

Other Sponsored Research and Consulting

- 2004 – 2006 Health Policy Institute of Ohio, Columbus, Ohio
- 2001 – 2002 Franklin County Alcohol, Drug Addiction and Mental Health Board, Columbus, Ohio.
- 1999 Ohio Department of Education, Columbus, Ohio.
- 1997 - 1998 Ohio Department of Aging, Columbus, Ohio
- 1993 - 1996 U.S. Environmental Protection Agency, Washington, DC.
- 1993 - 1996 Ohio Department of Education, Columbus, Ohio.
- 1993 - Whitestone Research, Santa Barbara, CA.
- 1993 - 1994 Ohio Department of Human Services, Columbus, Ohio.
- 1993 Franklin County Alcohol, Drug Addiction and Mental Health Services Board, Columbus, Ohio.
- 1991 - 1993 Science Applications International Corporation. Santa Barbara, CA.
- 1990 Office of Technology Assessment, U.S. Congress, Washington, D.C.

- 1989 Section of General Internal Medicine, University of Pennsylvania.
- 1988 - 1989 Planning Commission, Government of India, New Delhi, India.
- 1987 - 1993 The Ohio State Highway Patrol, Columbus, Ohio.
- 1986 National Regulatory Research Institute, Columbus, Ohio.
- 1985 - 1988 Ohio Legislative Service Commission, Columbus, Ohio.
- 1984 - 1986 Leonard Davis Institute of Health Economics, University of Pennsylvania.
- 1980 - 1985 Policy Modeling Workshop, Wharton School, University of Pennsylvania.
- 1979 The World Bank, Washington, D.C.
- 1977 - 1979 Wharton Applied Research Center, University of Pennsylvania.
- 1976 International Institute for Applied Systems Analysis, Laxenberg, Austria.

SELECTED PROFESSIONAL PRESENTATIONS

Anand Desai and Young Bum Lee. "Fairness: Values and Process." Korean Association for Policy Studies International Conference on *Fairness in Public Policy: Efficiency, Equity and Beyond*. Seoul, Korea, June 2011.

Anand Desai. "Methods for Policy Inquiry." Konkuk University, Seoul, Korea, June 2011.

Anand Desai. "Performance Measurement." Korea Institute for Public Finance. Seoul, Korea, June 2011.

Roy Heidelberg and Anand Desai "A Framework for Policy Inquiry." Sungkyunkwan University, Seoul, Korea, June 2011.

Anand Desai and Randolph Hightower, III. "Simulating the Multiple Impacts of Deferred Maintenance." Facility Cost Planning Workshop, NAPA, CA. May 2011.

Roy Heidelberg and Anand Desai. "Simulation Rules" *Epistemology and Simulation Conference*. Pittsburgh, PA. April 2011.

Roy Heidelberg and Anand Desai. "Simulation Rules" *American Society for Public Administration Conference*, Baltimore, MD. March 2011.

Yushim Kim, Anand Desai and David Landsbergen. "Simulations as Narratives" *National Association of Schools of Public Affairs and Administration* conference, Las Vegas, NV, October, 2010.

Anand Desai "Simulation of Facility Transition and Decommissioning." Facility Cost Planning Workshop, NAPA, CA. May 2010.

Anand Desai. "Emergence and Accountability in Complex Systems." Policy Informatics Workshop. Arizona State University, Tempe, AZ. February 2010.

Anand Desai. "Measuring Risk." Facility Cost Planning Workshop, Santa Monica, CA. May 2009.

Sunny Munn, Young Woon Kim, Marlene Costigan, Anand Desai. Annual research conference of the Association of Public Policy Analysis and Management, Los Angeles, CA, November 2008.

Sunny Munn, Young Woon Kim, Marlene Costigan, Anand Desai, and Charles Adams "Promoting Self-Sustainability through Individual Development Accounts: Lessons from Ohio." 2008 NAWRS conference, Nashville, TN, August, 2008

Sunny Munn, Young Woon Kim, Marlene Costigan, Anand Desai "Experimental TANF Initiatives in Ohio: A Bottom-Up Approach" Plenary session at the 11th Annual Welfare Research and Evaluation Conference, Washington DC May, 2008

A. Desai, Y Kim, R Greenbaum "Estimating and Illustrating the County Level Effects of Reduced Medicaid Expenditures" Annual research conference of the Association of Public Policy Analysis and Management, Washington, D.C., November 2005.

A Desai, LC Walters, P Balint, RE Stewart, "Analytic Methods to Augment Public Deliberation: Wicked Analysis to Deal with Wicked Problems" Annual research conference of the Association of Public Policy Analysis and Management, Washington, D.C., November 2005.

"Executive Education" Annual research conference of the Association of Public Policy Analysis and Management, Atlanta, November 2004.

"Uneven Burden: Economic analysis of Medicaid expenditure changes in Ohio." "From Data to Policy" conference at the Health Foundation of Greater Cincinnati, October, 2004

LC Walters, P Balint, R Stewart and A Desai, "Risk and uncertainty in management of the Sierra Nevada National Forests." *American Society for Public Administration* Conference, Portland, OR. March 2004.

"Uneven Burden: Economic analysis of Medicaid expenditure changes in Ohio." Ohio Grantmaker's Forum, Columbus, Ohio, November 2003.

"Logic of Inquiry," 22nd annual research conference of the Association of Public Policy Analysis and Management, Seattle, November 2000.

SJ Ratick, J Cummings-Saxton and A Desai, "Pollution Prevention Frontiers" Environmental Policy Initiative Workshop, The Ohio State University, 2000

"Benchmarking, Best Practices and Humpty Dumpty" Urban and Regional Analysis Initiative Roundtable, The Ohio State University, 2000.

CA Weber, J Current and A Desai, "An OR approach to Supplier Evaluation, Selection and Negotiation," INFORMS meeting, Seattle, October, 1998

"Survey Says ...", Ohio City/County Managers' Association, Dublin, Ohio February, 1998.

"Data Envelopment Analysis and Evaluation," Nineteenth Annual Research Conference of the Association of Public Policy Analysis and Management, Washington, D.C. November, 1997.

"Best Practices in the Provision of Local Public Services," Ohio City/County Managers' Association, Maumee, Ohio, June, 1997.

H-S Kim, A. Desai and P Gideon. "Performance Based Resource Allocation Approach: Application to the Passport Program in Ohio," Evaluation '97, 12th Annual Meeting of the American Evaluation Society, San Diego, November 1997,

M Chang and A Desai, "Policy Instruments: Contextual Capacity and the Valuation of Design Criteria," 29th Annual International Conference of the Community Development Society, Athens, Georgia, July 1997.

S. Koundinya and A Desai, "Cost Allocation methods for sustainability: lessons from US electric Utility regulation." 20th Annual International Conference of the International Association of Energy Economics, New Delhi, India, January 1997.

CF Adams, Jr., A Desai and M Freeman. "Effects of self support reserve on assigned collections of child support in Ohio," Sixteenth Annual Research Conference of the Association of Public Policy and Management, Chicago, October, 1994.

A Desai, SJ Ratick and AP Schinnar. "DEA with stochastic variations in data," Inaugural Georgia Productivity Workshop, Athens, GA, October, 1994.

D Hattis, SJ Ratick , A Desai and J Cummings-Saxton. "Risk and Uncertainty considerations using DEA to define success in pollution prevention activities," ORSA/TIMS Joint National Meeting, Detroit MI, October, 1994.

"Toward a pollution monitoring policy: Leaders, Laggards and Pollution Frontiers," TIMS XXXII, International Conference, Anchorage Alaska, June 1994, with K Haynes, SJ Ratick, J Cummings Saxton and R. Stough.

"Efficiency Measurements using Parallel Coordinates," Annual meeting of the Society for Industrial and Applied Mathematics, Philadelphia, PA, 1993.

"Evaluating information for assessing performance in a changing environment: Strategies for evaluating mental health services," Fifteenth Annual Research Conference of the Association of Public Policy and Management, Washington, DC, 1993, with L. Frost-Kumpf

"Applications of parallel coordinates to management," 40th Anniversary meeting of the Society for Industrial and Applied Mathematics, Los Angeles, CA, 1992, with LC Walters.

"Data Envelopment and Analysis," EURO XII/TIMS XXXI Joint International Conference, Helsinki, Finland, July, 1992.

"Conceptual issues in interpreting DEA Returns-to-scale measures," EURO XII/TIMS XXXI Joint International Conference, Helsinki, Finland, July, 1992, with D Adolphson and LC Walters.

"Policy Analysis and Policy Action," ORSA/TIMS Joint National Meeting, Anaheim CA, November, 1991.

"Post Divestiture Efficiency in US Telecommunications," Thirteenth Annual Research Conference of the Association of Public Policy and Management, Bethesda, 1991, with RJ Schlosser.

"Experiences from the analysis of Chapter I Programs in Philadelphia," Conference on Measuring Productivity in Education, Union College, 1991.

"Revisiting efficiency and regulation of public utilities," Twelfth Annual Research Conference of the Association of Public Policy and Management, San Francisco, 1990, with Min-Bong You.

"Evaluating service system expansion using data envelopment analysis," ORSA/TIMS Joint National Meeting, Philadelphia, PA, October, 1990, with K Haynes, T Gullledge, H Shroff, and JE Storbeck.

"The relative spatial efficiency of multilevel planning models," Applied Geography Conference, Charlotte, NC October, 1990, with JE Storbeck.

"Extending multiple objective programming for siting decision sensitivity," Applied Geography Conference, Charlotte, NC October, 1990, with K. Haynes, H. Shroff, J.E. Storbeck and Y. Xiao.

"Amelioration of constraint in locational hierarchies," IFORS 90, Athens, Greece, June, 1990, with J.E. Storbeck.

"Monitoring performance for incentive regulation," ORSA/TIMS Joint National Meeting, Las Vegas, NE, May 1990, with Min-Bong You.

"Integrating Data Envelopment Analysis and Multiple Objective Programming for Siting Decisions," Nineteenth Annual Meeting of the Northeast Regional Science Association, Buffalo, New York, May 1990, with K.E. Haynes, H.F.E. Shroff and J.E. Storbeck.

"Using DEA for assessing regional siting decisions," First Pacific Regional Science Conference on Public-Private Partnership in Regional Economic Development, Bandung, Indonesia, with KE Haynes, HFE Shroff, JE Storbeck, RR Stough and Y Xiao.

"The efficiency of facility sizing and spacing," ORSA/TIMS Joint National Meeting, New York, NY, October 1989, with JE Storbeck.

"Efficiency among output-diversified farmers in Brazil's Zona de Mata: A multiple-input multiple-output application of DEA," NSF Conference on New Uses of DEA in Management, University of Texas at Austin, September 27-29, 1989, with S A Vosti.

"Electric Energy Efficiency in India," CORS/ORSA/TIMS Joint National Meeting, Vancouver, Canada, May, 1989,

"Firm sponsored education and specific human capital: a test of the insurance hypothesis," LaFollette Symposium on Market Failure in Training, University of Wisconsin-Madison, May 1989, with M.J. Feuer and H.A. Glick.

"A data envelopment analysis model for location decision making," AAG Annual Meeting, Baltimore, Maryland, March 1989, with JE Storbeck.

"Measuring structural change in the electric utility industry," ORSA/TIMS Joint National Meeting, Washington D.C., April 1988.

"The identification of perceptually superior products and its implications for marketing strategy," ORSA/TIMS Joint National Meeting, Washington D.C., April 1988, with PV Balakrishnan.

"Measuring efficiency of location decisions," ORSA/TIMS Joint National Meeting, St. Louis, Missouri, October 1987, with JE Storbeck.

"On a bidding mechanism for siting a noxious facility," ORSA/TIMS Joint National Meeting, St. Louis, Missouri, October 1987, with RV Vohra.

"Characterization of the constraint in successively inclusive location hierarchies," North America Meetings of the Regional Science Association, Columbus, Ohio, November 1986, with JE Storbeck.

"Methodological issues in remedial education," ORSA/TIMS Joint National Meeting, Miami Beach, Florida, October 1986.

"On the measurement of constraint in successively-inclusive choice sets in multilevel location models" Classification Society of North America meeting, Columbus, Ohio, June, 1986, with J.E. Storbeck.

"Comparative merit school ranking" American Educational Research Association Annual Meeting, San Francisco, California, April 1986.

"School merit ranking," ORSA/TIMS Joint National Meeting, Atlanta, Georgia, November 1985, with A.P. Schinnar.

"Investments in education and job mobility: Analysis and implications for strategic planning," Human Resource Planning Society Conference on Strategic Human Resource Applications, Wharton School, University of Pennsylvania, December, 1985, with M. Feuer and H. Glick.

"Optimal decision making under uncertain demands," ORSA/TIMS Joint National Meeting, Dallas, Texas, November 1984, with M.Thakur.

"Patterns of resource utilization and achievement in elementary schools," ORSA/TIMS Joint National Meeting, Dallas, Texas, November 1984, with A.P. Schinnar, D. Wierz, S. Davidoff, and R. Fishman.

"Firm sponsored education and job mobility: The case for scientists and engineers," Annual Meeting, American Economics Association, Dallas, Texas, December 1984, with M. Feuer and H. Glick.

"Measuring the performance of Work Incentive Programs," ORSA/TIMS Joint National Meeting, Orlando, Florida, November 1983, with A.P. Schinnar.

"Distances within cones and measurement of relative efficiency," ORSA/TIMS Joint National Meeting, Chicago, Illinois, April 1983, with A.P. Schinnar.

"Decision making in fleet administration," at ORSA/TIMS Joint National Meeting, New Orleans, Louisiana, April 1979, with T.L. Saaty.

TEACHING

Courses Taught at the *University of Pennsylvania*

Calculus, Department of Mathematics

Quantitative methods for decision making, MBA Program, *Wharton School*

Courses Taught at *The Ohio State University*

MPA Program

Core Courses

Research Methods

Data Analysis

Government information systems

Quantitative methods for decision-making

Developed the School's masters' curriculum on information systems, data collection, analysis, interpretation, and dissemination. Taught the above four courses on multiple occasions.

Elective Courses (Policy labs)

Benchmarking

Environmental Policy

Wicked Problems.

Wicked Problems in Environmental Policy. Taught simultaneously with faculty members at George Mason University via video link.

Doctoral Program

Seminar on policy modeling

Logic of Inquiry

Have taught both these courses on multiple occasions.

Management Development Programs

Use and Abuse of Statistics

Project Management

Survey Methods

Courses Taught for the State of Ohio

Ohio Certification for Public Managers

Research Methods

Quantitative Analysis

Doctoral Dissertation Committees

Advisor (Chair of dissertation committee)

Adam Eckerd (2011) Equal Partners at Every Level of Decision Making:
Environmental Justice and the Policy Process

Yong Woon Kim (2010) Contract Design in the United States Federal Government

Yushim Kim (2006) Analysis for Adaptive Complex Enterprises

Padma Sastry (2006) Measuring multidimensional performance attributes: Method
and application to measurement of service quality of local telephone companies

Young Bum Lee (2003) A multilevel analysis of governance and program outcomes:
A case study of public cash assistance

Henry Y. Zheng (1999) Exploring problem intractability in policy implementation:
The cases of superfund and low-level radioactive waste management

Yu Min Chang (1999) Factors contributing to the successful implementation of
national policy at the local level: A case study of community specific regulation
on municipal water pollution control

Sridarshan Koundinya, (1998) Electricity Pricing Policy: A Neo-institutional,
Developmental and Cross National Policy Design Map

HeeSoo Kim (1996) Multi-Criteria and Multi-Modal Analysis of Inter-city Traffic
Congestion with an Application to the Seoul-Pusan Corridor

Hyon Kun Kwak (1996) Lessons for the Design of Interconnection Pricing Policy in
the Telecommunications Industry: A Policy Learning Approach

Jing Shiang (1995) Contractual Behavior and Performance of Mental Health Care Service Provision in Urban Ohio. Received the **1995 Best Dissertation Award** of the *National Association of Schools of Public Affairs and Administration*

Yang Fang Chiang (1994) The Nature and Effects of On-the-Job Training and their Policy Implications

Min-bong You (1990) A Policy-Making-as-Argument Perspective on Alternatives to Rate of Return Regulation (co-advisor)

Member: Served on various dissertation committees in Agricultural Economics, Arts Policy and Leadership, Environmental Science, Educational Policy and Leadership; Human Resource Development, Management Science, Public Policy and Management and Social Work.

Master's Policy Papers and Theses

Served as a policy paper advisor for various master's students in Public Policy and Management and as a master's thesis advisor in Environmental Science.

SERVICE

University Committees

Member, Committee to review reappointment of the Director of the John Glenn School, 2011.

Member, Oversight Committee, Center for Human Resource Research, 2009 – 2011

Member, Oversight Committee, Institute for Population Research/Center for Human Resource Research, 2007 – 2009

Member, Steering Committee on Outreach and Engagement 2007 – 2009

Member, Advisory Board, Billy Ireland Cartoon Library & Museum 2007 –

Member, Awards Selection Committee on Outreach and Engagement 2006 – 2009

Member, Search Committee for Director, Environmental Science Graduate Program 2005 – 2006.

Member, Search Committee for Director, National Regulatory Research Institute 2005 – 2006.

Alternate Member, University Senate, 2002 – 2005

Alternate Member, Research and Graduate Council, 2002 – 2005

Chair, Graduate Studies Committee, Environmental Science Graduate Program, 2002 – 2003

Member, Graduate Studies Committee, Environmental Science Graduate Program, 2001 – 2004

College Committees

Member, College of Social and Behavioral Science Review Committee for Promotion and Tenure 2002-2005

Member at various times of committees on Graduate Education; Research; Teaching and a Blue Ribbon Committee on Research

School Committees

Member, Strategic Planning Group, 2011

Chair, Non-Profit Organizations Task Group, 2008

Member, Faculty Search Committee, 2000-2001 (Chair), 2002-2003, 2007-2008, 2008-2009 (Chair), 2009-2010, 2011-2012

Member, Doctoral Task Group, 2008.

Member, Pattern of Administration Task Group, 2008.

Member (1985-1999, 2004-5) and Chair (94-96, 2009 -), Doctoral Studies Committee

Member (1985-2005) and Chair (1993-94) Curriculum Committee

Member (and occasional Chair) of various ad hoc examination and tenure and promotion committees

Guest Editor

Communications of the Association of Computing Machinery, 2005

Editorial Board

Journal of Public Affairs Education 2010 -

International Journal of Healthcare Information Systems and Informatics, 2005

Journal of Academy of Business and Economics 2003 -

Advances in Healthcare Information Systems and Informatics (AHISI) Book Series 2007 -

International Journal of Society Systems Science (IJSSS) 2008 -

International Journal of Sustainable Society (IJSSoc) 2008 -

Ad-Hoc Reviewer,

Annals of Operations Research, Applied Mathematical Modelling, Assessment Journal, Applications of Management Science, European Journal of Operational Research, Geographical Analysis, Interfaces, International Journal of Society Systems Science, International Journal of Systems Science, Journal of Academy of Business and Economics, Journal of Environmental Management, Journal of Human Resources,

Journal of the Operational Research Society, Journal of Public Affairs Education, Journal of Public Administration: Research And Theory, Journal of Policy Analysis and Management, Journal of Productivity Analysis, Managerial and Decision Economics, Michael Smith Foundation for Health Research, National Science Foundation, Management Science, Operations Research, Socio-Economic Planning Sciences, Supply Chain Management: An International Journal, US Environmental Protection Agency.

Professional Memberships

Association of Public Policy Analysis and Management,
Institute for Operations Research and Management Sciences,
Productivity Analysis Research Network

OTHER PROFESSIONAL ACTIVITY

Association of Public Policy Analysis and Management,

Member, Dissertation Award Committee, 2009 and 2011 (Chair)

Member, Research Conference Program Committee, 2011

Member, Policy Council, 2007 – 2011

Discussant, Session Chairman, Workshop Organizer. Fall Research Conference, 1990, 1996, 1997, 2000.

National Association of Schools of Public Affairs and Administration,

Member, Executive Council 2010-2013.

Member, Ad Hoc committee on Competency, 2012.

Member, Commission on Peer Review and Accreditation (COPRA) 2008-2011

Member, *NASPAA Site Visit Team*, School of Public Affairs, University of Georgia, 2008

Member, *NASPAA Site Visit Team*, LBJ School of Public Affairs, University of Texas, 2006

National Academy of Sciences,

Member, Committee on Strategies for Improved Passenger and Freight Travel Data, 2009-2010

How We Travel: A Sustainable National Program for Travel Data,
Transportation Research Board Special Report 304. National Research
Council of the National Academies, Washington, DC.

U.S. Environmental Protection Agency,

Member, Peer Review Panel for Science to Achieve Results (STAR) Fellowships Program, 2009.

Member, Peer Review Panel, July 1998.

Cluster Chair, College on Public Programs and Processes, *INFORMS*, Atlanta, 1996

Session Organizer, sessions sponsored by *TIMS* College on Public Programs and Processes, ORSA/TIMS Joint National Meetings, Philadelphia, 1990.

Session Chairman, *ORSA/TIMS* conference, 1985, 1986, 1989, 1990, 1991

Session Chairman, North America Meeting of the *Regional Science Association* Conference, 1986.

Selected Ad hoc Community Activity

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|-------------|---|
| 2006 | Transition assistance, Franklin County Municipal Court |
| 2004 | Estimating Refugee Populations in Franklin County. Community Refugee and Immigration Services |
| 2003 - 2004 | Evaluation of re-cycling programs, Solid Waste Disposal Authority, Ohio EPA. Columbus, Ohio. |
| 2003 | Needs Assessment for the Elderly: Survey of Bexley Residents. Task Force on Aging, Bexley, Ohio |

Board of Directors

- | | |
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| 2007 – | <i>Community Refugee and Immigration Services</i> , Columbus, Ohio. |
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