

ANTHONY E. DZIEPAK

Curriculum Vitæ
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U.S. Citizen

Contact Information

The MITRE Corporation
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Education

Virginia Polytechnic Institute and State University, Blacksburg, VA, USA

Ph.D., Economics (ABD), National Science Foundation Doctoral Dissertation Enhancement Grant, “Experiments in Location Games,” Catherine C. Eckel, chair.

M.A., Economics.

B.S., Economics–Business, The R.B. Pamplin School of Business.

Case Western Reserve University, Cleveland, OH, USA

Undergraduate coursework, Engineering.

Fields of Interest

Industrial Organization, Price and Product Differentiation, Incomplete Information, Experimental Economics

Employment

Lead Economist, The MITRE Corporation, 2016 - present.

Senior Economist, The MITRE Corporation, 2006 - 2016.

Economist, Federal Aviation Administration, U.S. Department of Transportation, 2002 - 2006.

Adjunct Professor, Dept. of Business and Economics, The Catholic University of America, 2000 - 2001.

Research Assistant, Laboratory for the Study of Human Thought and Action, VPI&SU, 2000.

Webmaster, Laboratory for the Study of Human Thought and Action, VPI&SU, 1999 - 2000.

Webmaster, Mens and Womens Track & Field, Virginia Tech Athletic Department, 1997 - 2000.

Teaching Assistant, Department of Economics, VPI&SU, 1999 - 2000.

Webmaster, Department of Economics, VPI&SU, 1996 - 2000.

Online Content Editor for Joseph Stiglitz, "Principles of Economics" textbook online materials: StigWeb Study Guide and Instructor's Resource Manual, W.W. Norton & Company, New York, NY, 1996 - 1998.

Adjunct Professor, Department of Economics, Florida Atlantic University, 1994.

Visiting Assistant Professor, Department of Economics, Florida Atlantic University, 1993 - 1994.

Instructor, Department of Economics, VPI&SU, 1989 - 1991.

Teaching/Research Assistant, Department of Economics, VPI&SU, 1987 - 1989.

Teaching Experience

Advanced Industrial Organization (graduate level).

Microcomputer Applications in Business (graduate level).

Intermediate Microeconomic Theory.

Principles of Microeconomics.

Principles of Macroeconomics.

Fundamentals of Economics.

Other Experiences

Member, Transportation Research Board of the National Academies (TRB), Light Commercial and General Aviation Committee, 2013 - present.

Member, American Economic Association, 1991 - present.

Coordinator, Transportation Research Board (TRB), The MITRE Corporation, 2010 - 2013.

Presentation, "Analysis of Cost at FAA's En Route Centers: An Empirical Perspective" (with D. Bhadra, D. Chin, and K.T. Harback), The American Institute of Aeronautics and Astronautics (AIAA) 7th Annual Aviation Technology, Integration and Operations Conference (ATIO), Belfast, Northern Ireland, September 2007.

Presentation, "Very Light Jet Operational Impact Analysis" National Center of Excellence for Aviation Operations Research (NEXTOR) National Airspace System Performance Workshop, Pacific Grove, CA, March 2006.

Member, National Economists Club, 2001 - 2002.

Referee, *Economic Inquiry*, October 2000.

Presentation, "Location Experiments with Communication" Economic Science Association International Meeting, New York, NY, June 2000.

Presentation, "Location Experiments" Public Choice/Economic Science Association Annual Meetings, Charleston, SC, March 2000.

Experimental Research Assistant, "The Human Face of Game Theory," Catherine Eckel and Rick Wilson, authors, summer 1997.

USA Track & Field certified official, association level, 1996 - 2000.

2nd Annual Visiting Graduate Workshop, University of Arizona Economic Science Laboratory, Vernon Smith, Director, July - August 1996.

Member, Southern Economic Association, 1995 - 1996.

Graduate Student Assembly (GSA) Economics Department Delegate, 1988 - 1992.

University Committee on Athletics, GSA Representative, 1988 - 1992.

Technical Papers and Studies

1. "The Economics of Retail Gas Stations in Prince William County," Prince William County (VA) Citizens Advisory Committee, December 2001.
2. "Risk vs. Uncertainty in Investment Analysis," mimeo, November 2002.
3. "An Alternative to the Street Works Plan for Falls Church," mimeo, December 2002.
4. "AwSim Quick Start Guide," mimeo, February 2004.
5. "2005 [1st] Air Traffic Organization (ATO) Business Plan" (contributing), FAA, July 2004.
6. "Empirical Analysis of Air Traffic Organization (ATO) Revenue Generation," mimeo, November 2004.
7. "Benefits Basis of Estimate for Aviation Safety Knowledge Management Environment (ASKME)" (with B. Baszczewski), FAA technical document, December 2004.
8. "Shortfall Document for NAS Voice Switch Investment Analysis Readiness Decision" (with B. Baszczewski and D. Le), FAA technical document, January 2005.
9. "Independent Benefits Estimate for OHare Modernization Program" (with W. Rada), FAA technical document, April 2005.
10. "Safety Benefit Follow-up Documentation for Medium-Intensity Airport Weather System (MIAWS), and Safety Benefit Preliminary Analysis for Safe Flight 21," FAA technical document, May 2005.
11. "2006 Air Traffic Organization (ATO) Business Outlook" (contributing), FAA, July 2005.
12. "Very Light Jet Operational Impact Analysis and Air Traffic Control Workload," mimeo, February 2007.
13. "Impact Assessment of Restricting Flights from the Grand Canyon National Park Airspace" (with G.F. Marani, T.R. Abrahamsen, R. Bearer, and F. Moreno-Hines), MITRE Technical Report #070059, March 2007, MITRE Technical Report #070059R1, rev. September 2007.
14. "Very Light Jet On-Demand Operator Market Analysis: A Passenger Itinerary Approach," MITRE Technical Report #070151, July 2007.
15. "Analysis of Cost at FAAs En Route Centers: An Empirical Perspective" (with D. Bhadra, D. Chin, and K.T. Harback), MITRE Product #070190, August 2007, and *Journal of the Transportation Research Forum* 47:4, Fall 2008.
16. "Airline Consolidation: NAS Infrastructure Implications" (with F. Morser), mimeo, September 2007.

17. “Cost and Revenue Alignment at FAAs Service Delivery Points” (with D. Bhadra and F. Moreno-Hines), no public release, May 2008.
18. “A Forecast of Itinerant General Aviation Operations Based on Terminal Area Forecast Historical Data” (with D. Bhadra), MITRE Product #F66-B06-056, September 2008.
19. “A Subcategorization of the Air Taxi User Category in FAAs Operations Network (OPSNET)” (with F. Moreno-Hines), sensitive, June 2009.
20. “An Analysis of the FAA APO Air Carrier Fleet Forecast,” mimeo, July 2009.
21. “A Comparison of Innovata Scheduled Reference Service (SRS) with the Official Airline Guide Worldwide Through Flight (OAGWTF) Schedule Data,” mimeo, September 2009.
22. “Valuing Predictability in Aviation Operations” (with S.L. Martin and S.H. Tsao), mimeo, October 2009.
23. “[A Foreign International Hub Airport] Fleet Equipage Forecast,” no public release, October 2009.
24. “Assessment of Tower Flight Data Manager Phase 1 (TFDM1) Operations and Capabilities,” MITRE Technical Report #100291, August 2010.
25. “*fleetForecaster* Tool Requirements” (with K.V. Hollinger and C.D. Pappas), MITRE Product #110352, September 2011.
26. “*fleetForecaster* System Description” (with P.K. Kapoor, C.D. Pappas, and G. Ramasami), MITRE Product #110353, September 2011.
27. “*fleetForecaster*: Core Functionality Methodology and Validation” (with K.V. Hollinger and M.T. Rippey), MITRE Product #110405, April 2012.
28. “Supplement to the Terminal Area Forecast Modernization (TAF-M): International Passenger and General Aviation Forecasts” (with J.G. Foster, D.M. Hechtman, and S.H. Tsao), MITRE Product #F05B-B12-36, September 2012.
29. “Airspace Strategic Planning Initial Baseline Information: Issues and Discussion” (with D.E. Boone and S.C. Mohleji), no public release, September 2012.
30. “Independent Analysis of Alternatives of the Medicare Appeals System (MAS)” (with B. Girdher, S. Haghdan, J.E. Malloy and J. McZara), forthcoming MITRE Product, March 2013.
31. “A Cost Model Evaluation for Centers for Medicare and Medicaid Services (CMS)” (with A. Goel, D.J. Harper, R. Kataria, H.W. Kaylor, and D.A. Warnecke), forthcoming MITRE Product, July 2013.

32. "Army NETCOM Performance Management Dashboard: Performance Characteristics, Standards, and Metrics Recommendations" (with K.S. Buck, A.K. Gyekye, and M.S. Sullivan), MITRE Product #140508, August 2014.
33. "NETCOM Performance Management Dashboard and VOC Capability: Programming Requirements Document" (with T. Asfaw, K.S. Buck, A.K. Gyekye, R.L. Robertson, and M.S. Sullivan), MITRE Technical Report #150008, October 2014.
34. "*fleet*Forecaster2015 Forecast" (with R. Johnson), MITRE Product #F093-B15-2, March 2015.
35. "*fleet*Forecaster System Documentation, Version 1.2" (with R. Johnson, C.J. Mosier, M.E. Pollack, G.H. Solomos, J.L. Stein, and S. Tsao), MITRE Product #15051R2, September 2016.

Working Papers and Papers in Progress

1. "Sequential-Entry Location Experiments," 1992.
2. "Spatial Competition with Multimodal Transportation Costs," 1992.
3. "Spatial Competition with Incomplete Information," VPI&SU Working Paper #E95-49, November 1995.
4. "More Firms in Hotelling's Stability in Competition," VPI&SU Working Paper #E95-50, December 1995.
5. "Location Theory with Tariffs," 1996.
6. "Zero-Intelligence Traders in an Oral Double Auction with Replacement," 1996.
7. "Location Experiments," VPI&SU Working Paper #E99-23, November 1999.
8. "Location Experiments with Communication," VPI&SU Working Paper #E00-03, April 2000.
9. "Simulations of Location Games," 2001.
10. "Standard Terminal Automation Replacement System (STARS) Phase II Benefits Analysis," May 2003.
11. "Effects of Terminal Facility Change on Air Traffic Controller Productivity," September 2004.
12. "Empirical Analysis of Air Traffic Organization (ATO) Revenue Generation," January 2005.
13. "Economic Impact of Airport Closures," July 2005.
14. "An Evaluation of Future Routing Initiatives," July 2005.

15. "Aviation Infrastructure and Multifactor Productivity" (with K.T. Harback), April 2008.
16. "New York Area Airport Delay Analysis" (with W.W. Cooper) September 2008.
17. "Dynamic Modeling of the Multi-modal Transportation Network" (with A.J. Masalonis, L.A. Wojcik, L.F. Audenaerd, and S.H. Syeda), June 2009.
18. "Security Integrated Tool Suite (SITS) Benefits Analysis" (with F. Moreno-Hines and M-P. Wang), March 2011.
19. "Hub Fitness Visualization and Analysis," April 2011.
20. "Airspace Strategic Planning: Mid-Term and Far-Term Scenarios" (with D.E. Fulmer and S.C. Mohleji), July 2012.
21. "Airspace Strategic Planning: Demand, Trajectories, and Controller Impact of Novel Users" (with T.R. Abrahamsen, J.G. Foster, K.S. Lindsay, and S.C. Mohleji), July 2013.
22. "*fleet*Forecaster Revision and Production Run" (with R. Johnson and J.L. Stein), July 2013.
23. "*fleet*Forecaster Revision and Production Run" (with R. Johnson and J.L. Stein), April 2014.

Grants, Awards, and Honors

The MITRE Corporation, Director's Award, "Excellence that Counts," for exemplary support to the Army Private Cloud Enterprise (APCE) effort, 2016.

The MITRE Corporation, Director's Award, "People in Partnership," for exceptional contribution to the FAA *fleet*Forecaster tool, 2016.

The MITRE Corporation, Director's Award, "Excellence that Counts," for exceptional support to the 7th SC(T) at Fort Gordon, GA, 2014.

The MITRE Corporation, Award for "Strategic Technical Outreach," 2013.

Federal Aviation Administration (FAA), Administrator's Award of Excellence, "in recognition of outstanding support in developing the first Air Traffic Organization (ATO) Business Plan, 2006.

National Science Foundation Doctoral Dissertation Enhancement Grant, 1997 - 2000.

Grant for the development of a networked spreadsheet, Center for Excellence in Undergraduate Teaching, VPI&SU, 1997.

Summer project grant: developed experimental economics laboratory applications at existing college labs at VPI&SU, 1996.

Postgraduate Scholarship, Metropolitan Collegiate (Metro) Athletic Conference—an award for academic and athletic excellence that was given to a single student-athlete in the conference per year, 1988.

Volunteer Activities

Assistant Track and Field Coach, Our Lady of Good Counsel Parish / St. Marks Parish, Northern Virginia Junior Catholic Youth Organization, 2013 - present.

Administrator, Official, and Event Director, Potomac Valley Track Club, 2002 - present.

Vice President for Maintenance, Fairfax County Spring Lake Association, Inc. 2010 - 2013.

Assistant Track and Field Coach, James Madison High School, 2003 - 2008.

Assistant Track and Field Coach, Vienna Youth, Inc., 2002 - present.

Commissioner of Track and Field, Vienna Youth, Inc., 2003 - 2006.

Assistant Track and Field Coach, The Catholic University of America, 2000 - 2001.

Assistant Track and Field Coach, Florida Atlantic University, 1993 - 1995.

Assistant Track and Field Coach, Virginia Tech, 1988 - 1992, 1995 - 2000.

Rebuilding Together, “Christmas in April,” 2003 - 2005.