

Anthony E. Dziepak

Narrative Biography

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Tony Dziepak is an economist with over 20 years of experience and a passion for promoting efficient markets. His research goal is to apply an industrial organization focus to inform policy decisions on economic questions using theoretical, empirical, and experimental methods.

Tony joined MITRE in 2006 after serving as an economist for the Federal Aviation Administration (FAA) for four years. While at MITRE, Tony has led or supported several studies of the structure, conduct, and performance of the civil aviation industry and the transportation sector, including the effect of airline consolidation on the National Air Space (NAS) demand and operations, an analysis of New York area airport delay, cost-revenue alignment at FAAs service delivery points, an empirical analysis of FAAs en route center costs, a Very Light Jet (VLJ) on-demand operator market analysis, the effect of Open Skies agreements on transatlantic operations, and an impact assessment of restricting flights from the Grand Canyon National Park.

Tony has also led several forecasting efforts, including the development of a fleet forecasting tool, the development of methodologies for enhancements of operations- and segment-based forecasts of commercial and general aviation demand, and fleet and operations forecasts of new and emerging aircraft categories such as unmanned aerial systems (UASs) and very light jets (VLJs). More recently, Tony has applied his expertise to the health care industry (supporting the Centers for Medicare and Medicaid Services) and the U.S Army.

Prior to MITRE, Tony worked at the Federal Aviation Administration—first in the Investment Analysis and Operations Research group under the former Research and Acquisitions Office. While there, he led several benefits analyses, including an Independent Benefits Estimate for the Chicago OHare Modernization Program, a Shortfall Document for the NAS Voice Switch Investment Analysis Readiness Decision, a Benefits Basis of Estimate for Aviation Safety Knowledge Management Environment (ASKME), and a Safety Benefit Analysis for Medium-Intensity Airport Weather System (MIAWS) and Safety Benefit Preliminary Analysis for Safe Flight 21. Tony also led

various departmental studies, including an evaluation of future routing initiatives, the relationship between terminal facility classification, grade, and type on controller productivity, and the economic impact of airport closures. Tony also played an advisory role in the development of the NAS Strategy Simulator, a macro-level simulation that models the economic and operational metrics of the system under various future scenarios.

With the creation of the Air Traffic Organization (ATO) in 2004, Tony received the FAA Administrators Award of Excellence in recognition of outstanding support in developing the first ATO Business Plan. Upon the reorganization of the ATO Planning service unit in 2005, Tony was recruited into the newly created Office of Strategy. There, he worked on the ATO Business Outlook, and completed a study on the operational impacts of very light jets (VLJs) from an ATC workload perspective. Tony also studied the current and alternative FAA revenue structures, business trends in the civil aviation industry, and the effect of demand, weather, program, and policy changes on NAS operational and industry financial performance.

Prior to the FAA, Tony taught several graduate and undergraduate courses at Virginia Tech, Catholic University, and Florida Atlantic University, including graduate-level industrial organization and intermediate applied and theoretical microeconomics.

Tony's formal education includes a BS Economics-Business, an MA in Economics, and a PhD-ABD in economics, all at Virginia Tech in Blacksburg, Virginia. His dissertation, *Experiments in Location Games*, involved designing and conducting computer-assisted, human-subject experiments to test various theoretical location models. The research was supported by a National Science Foundation Doctoral Dissertation Enhancement Grant. He was also the recipient of the Metro Conference Postgraduate Scholarship for academic and athletic excellence at a time when only one postgraduate scholarship was awarded each year by the conference. Prior to Virginia Tech, Tony attended Case Western Reserve University in Cleveland, Ohio, where he completed undergraduate engineering coursework.

Tony resides in Northern Virginia with his wife, Kristin and three daughters. He is active in track and field as a volunteer coach for Vienna Youth Track Club and as an athlete, official, and volunteer for the Potomac Valley Track Club.