

Dr. Jeffrey A. Michael

Academic Experience Summary

University of the Pacific. Sacramento and Stockton, California. 2008-present.

Director of Public Policy Programs and Professor of Public Policy, McGeorge School of Law (90%).
Senior Fellow, Center for Business and Policy Research, Eberhardt School of Business (10%).
2021-present.

Executive Director of the Center for Business and Policy Research and Professor of Public Policy. Joint appointment in the Eberhardt School of Business (60%) and McGeorge School of Law (40%).
2015-2021.

Director of the Business Forecasting Center and Associate Professor, Eberhardt School of Business.
2008-2015.

Towson University. Towson, Maryland. 1999-2008.

Director of the Center for Applied Business and Economic Research (CABER), College of Business and Economics. 2007 – 2008.

Associate Dean of the Towson University Honors College. 2005 – 2007.

Associate Professor of Economics, College of Business and Economics. 2005–08.

Acting Director of the Towson University Honors Program. 2004 – 2005.

Assistant Professor of Economics, College of Business and Economics. 1999-2005.

Education

Ph.D. Economics. North Carolina State University. Raleigh, NC. 1999.

M.S. Resource Economics and Policy. University of Maine. Orono, ME. 1994.

A.B. Economics Major, Biology Minor. Hamilton College. Clinton, NY. 1992.

Professional and Administrative Accomplishments

University of the Pacific. Stockton and Sacramento, CA. 2008 – present.

Director of Public Policy Programs and Professor of Public Policy. McGeorge School of Law.
Senior Fellow, Center for Business and Policy Research, Eberhardt School of Business.
Sacramento campus. 2021 – present.

- Lead the Masters in Public Administration (MPA) and Masters in Public Policy (MPP) programs. Responsibilities include faculty hiring and evaluation, student recruitment and marketing, budget management, program assessment, staff hiring and management, and teach one class each semester. Serve on School of Law Management Team.
- Led significant curriculum revision for both programs to align with NASPAA Accreditation Standards and prepare for candidacy and self-study.
- Implemented Hybrid program modality (50% online and 50% in-person) in response to changing market demand, and increased faculty and student interest in incorporating technology.

- Revised admissions, recruitment, and marketing, and achieved 30% increase in incoming enrollment in first year.
- Co-PI on \$5 million contract for Fellowship in Transformational Change with county health agencies. Initial funding for new Center for Public Innovation.
- Continue support of research contracts and consulting for select projects in the Center for Business and Policy Research.
- Participate in External Advisory Boards:
 - New California Economy Working Group, GlobalSF and Governor's Office of Business and Economic Development. 2021 – 2022.
 - Greater Sacramento Economic Competiveness Council. 2016 – 2022.
 - Sacramento Council of Governments, Technical Advisory Board. 2021 – 2022.

Executive Director and Professor, Center for Business and Policy Research, Eberhardt School of Business and McGeorge School of Law. Sacramento campus. 2015 – 2021.

- Renamed Center and expanded to Sacramento as part of the University's plan to transform the law school campus to a comprehensive Sacramento graduate campus.
- Supported the Founding Director and McGeorge School of Law in establishing new graduate programs. In two years, these programs equaled or exceeded enrollment of primary competitors (CSU-Sacramento and USC Sacramento Center) and generate positive net revenue.
- Teach one graduate course per semester in the MPA/MPP program.
- Build presence and relationships in the Northern California market for the business school and public policy programs through extensive civic and business engagement, speaking engagements, and expert media outreach (approximately 100 media hits annually).
- Continue previous Business Forecasting Center programs, and mentor Associate Director as he takes responsibility for managing the Stockton office.
- Attract and execute external grants and contracts for regional clients, support Center staff and graduate student research assistants. Average about \$350,000 per year.
- Support Eberhardt School of Business through service on Dean's task forces for growth and strategic planning.
- Support McGeorge School of Law ABA reaccreditation and anti-racism initiatives through statistical analysis and evaluation reports on bar pass rates and student academic appeals.
- External Honors, Board and Advisory Positions:
 - San Joaquin Council of Governments, Jobs Investment Fund Board, 2015-2021.
 - Association of Bay Area Governments/Metropolitan Transportation Commission. Forecast Technical Advisory Council, 2018-20.
 - The Bay Institute, 2018 Carla Bard Environmental Education Award
 - Affordable Housing Task Force, Mayor Michael Tubbs, City of Stockton. 2018.
 - Association of University Business and Economic Research Board. 2016-18.
 - California Chamber of Commerce Economic Advisory Panel. 2016 - 18.

Director, Business Forecasting Center, Eberhardt School of Business. Stockton campus. 2008-2015.

- Led the Center to become the highest impact research and outreach program at the University and among the most cited academic centers in Northern California. BFC was the only program in the Eberhardt School and the only Center/Institute in the University to earn an enhance rating in the University-wide “Focusing on our Future” review in 2013-14.
- Using entirely externally generated funds, I developed and implemented a strategic plan to grow the Center to a second fully staffed office on the Sacramento campus, and renamed and rebranded the Center to better describe its expanded mission and market.
- Developed new program proposals for Masters of Public Policy and Masters in Public Administration on the Sacramento Campus in collaboration with the School of Law. Worked with Law Dean to bring proposals through university approval and funding process. Co-chaired search committee for founding Director of the MPP and MPA programs.
- Raised the University profile with over 150 unique media hits per year: Media citations of Center reports include *New York Times*, *Wall Street Journal*, *National Public Radio*, *PBS Newshour*, *NBC Nightly News*, *National Geographic*, *Newsweek*, *Los Angeles Times*, *San Francisco Chronicle*, *San Jose Mercury News* and numerous regional radio, television, and newspapers.
- Generated \$4 million for the Center through contracts, sponsorships and gifts from a diverse group of public and private sources. Through revenue growth and cost management, I eliminated the Center’s budget deficit after my first year, and the Center now contributes indirect costs to the University while producing high impact research and outreach and student learning opportunities.
- Connected with the community through an average of 20 annual presentations to business, community, and government audiences and formal and informal consultations with government and business leaders on economic trends, fiscal projections, and water and land management policy issues.
- Built successful relationships across the University including the McGeorge School of Law, College of the Pacific, School of Engineering, External Relations and Student Life through joint events, guest teaching and collaboration on external contracts.
- Mentored student interns and assisted with placement in jobs and graduate schools.
- Transformed the Center’s scope into a comprehensive, interdisciplinary center for economic development and public policy to serve community needs and to grow and diversify revenue streams. New areas include sustainability, water and transportation infrastructure, housing, demography, innovation, economic development, and regional planning.
- Appointed to leadership roles in University and Business School planning initiatives including the University Community Impact Study, Tuition Remission task force, and Provost commissioned concept paper for a Sacramento Graduate School of Management.

Towson University. Towson, Maryland. 1999-2008.

Director of the Center for Applied Business and Economic Research (CABER). 2007 – 2008.

- Built a partnership with the Division of Economic and Community Outreach, improved relationships with partners inside and outside the University, and managed all grants and contracts for the College of Business and Economics.

Associate Dean of the Honors College. 2005 – 2007.

- Directed student recruitment, advising, internships, independent research, and student affairs for 700-student Honors College. Led major restructuring of all aspects of these areas to increase efficiency and improve outcomes and coordination with other units at the University.
- Increased incoming student GPA from 3.79 to 3.96 and average SAT from 1206 to 1250 while increasing enrollment 15%.
- Worked with VP of Enrollment Management, and Directors of Admission and Financial Aid to implement new approach to recruiting high ability students. Increased enrollment quality and quantity with flat scholarship budget. Simultaneously increased student quality and net revenues.
- Instituted new advising procedures and student progress databases that increased program completion by 30% while strengthening academic requirements. Worked with Associate Deans to implement revised advising model at the University level.
- Improved diversity by increasing transfers and implementing a more comprehensive application review process.
- Worked with housing and student life to improve student experience.
- Worked with faculty to develop new, interdisciplinary honors seminars.

Acting Director of the University Honors Program. 2004 – 2005.

- Directed all aspects of large University wide program including budget, course scheduling, new course approval, recruiting, advising, housing, and student life.
- Initiated structural changes to prepare for transition from Program to College.
- Developed a research based proposal to restructure the admission and financial aid process for Honors students that was accepted by the Provost. Successful implementation resulted in a larger initiative within the Division of Enrollment Management.

Associate Professor of Economics, 2005–08. Assistant Professor, 1999-2005.

- Outstanding Teacher Award. College of Business and Economics, academic year 2001-02.
- Selected for the President's Leadership Program, 2002.
- Towson's Elite. Student Government Association, 2004.
- Service included Founding Director of Departmental Honors Program, University Honors Task Force, AACSB Accreditation Committee, Academic Advising Council, First Year Experience Advisor, AAUP Treasurer, Environmental Studies Advisory Board, Leadership Program, Faculty Development and Research Committee, and numerous search committees.

Courses Taught: Economics for Public Policy and Management, Natural Resource Economics, Environmental Economics, International Financial Management, Intermediate Price Theory, Statistics and Quantitative Methods for Business I & II, Principles of Microeconomics.

Peer Reviewed Publications

“Reforming Impact Fees to Support Housing Affordability: Analyzing the Effect of Proposed Legislation On Four Inland California Cities.”. Forthcoming in *California Western Law Review*. (with Stephen McCarty-Snead)

“Public Administration and Policy Programs in Legal Education: The McGeorge School of Law Case Study.” Forthcoming in *Journal of Legal Education*. (with John Kirilin and Francis J. Mootz).

- “Freedom’s Just Another Word for Nothin’ Left to Lose:”The Ongoing Struggle to Properly Regulate the Gig Economy in California.” *REVISTA da AGU, BRASILIA-DF* 21:4 (October/December 2022), pp. 17-44. (with Francis J. Mootz).
- “The Delta and Stockton Area Economies,” *Dialogues on the Delta*, Cambridge Scholars Publishing, 2018, pp. 28-43. (with Thomas Pogue)
- “Economic Sustainability Plan for the Sacramento-San Joaquin Delta” February 2012. Delta Protection Commission. Peer reviewed by an expert panel convened by the Delta Stewardship Council Independent Science Board. (with Robert Pyke et. al.)
- “The Role of Energy Efficiency Spending in Maryland’s Implementation of the Regional Greenhouse Gas Initiative.” *Energy Policy*. Volume 38 (11), November 2010, pp. 6820-6829. (with Anthony Paul, Karen Palmer, et. al.)
- “Environmental Land Use Restrictions and Property Values.” *Vermont Journal of Environmental Law*. Volume 11 (3), Spring 2010, pp. 437-464. (with Raymond Palmquist).
- “Economic and Energy Impacts from Participation in a Regional Greenhouse Gas Initiative: A Case Study for the State of Maryland.” *Energy Policy*. Volume 36 (6), June 2008, pp. 2279-2289. (with Karen Palmer, Matthias Ruth, et. al.)
- “Episodic Flooding and the Cost of Sea-level Rise.” *Ecological Economics*. Volume 63 (1), June 2007, pp. 149-159.
- “Forest Management and the Endangered Species Act.” Chapter 4 in *Explorations in Environmental and Natural Resource Economics*. Halvorson, R. and D. Layton editors. Edward Elgar Publishing. September 2006, pp. 63-94. (with Dean Lueck)
- “The Campus Parking Game: An Illustration of Price Discrimination and Consumer Welfare.” *Southern Economic Journal*. Volume 71 (3), January 2005, pp. 668-682. (with Arthur Zillante, Sarah Stafford et. al.)
- “Preemptive Habitat Destruction Under The Endangered Species Act.” *Journal of Law and Economics*. Volume XLVI (1), April 2003, pp. 27-60. (with Dean Lueck).
- “Efficient Habitat Protection with Diverse Landowners and Fragmented Landscapes.” *Environmental Science and Policy*, Volume 6 (3), June 2003, pp. 243-251.
- “The Endangered Species Act and Private Landowner Incentives.” in *Human-Wildlife Conflicts: Economic Considerations*. Clark, L. editor. U.S. Department of Agriculture, National Wildlife Research Center, Fort Collins, CO. 2002.
- “Recycling, International Trade, and the Distribution of Pollution: The Effect of Increased U.S. Paper Recycling on U.S. Import Demand for Canadian Paper.” *Journal of Agricultural and Applied Economics*. July 1998, pp. 217-223.
- “The Role of Expectations and Heterogeneous Preferences for Congestion in the Valuation of Recreation Benefits.” *Agricultural and Resource Economics Review*. October 1997, pp. 166-173. (with Stephen Reiling).

Professional Research Publications and Reports

- “Trends in Commute Patterns Across the North San Joaquin Valley.” April 2021.
- “Initial Employment Impacts of COVID-19 on Northern California.” March 2021.

“Middle-Skilled Jobs Analysis: Building Ladders to the Future in Stockton, California.” December 2020.

“San Joaquin County Demographic and Employment Forecast.” September 2020.

“Projected Employment Impacts of COVID-19 on Northern California.” April 2020.

“Salinity and Crop Choice in the Sacramento-San Joaquin Delta.” June 2019. (with Anita Chaudhry, J.M. Stone and D. Fairbanks)

“Warehousing, E-Commerce, and Evolving Trade Patterns in San Joaquin County.” April 2019.

California and Metro Forecast. Principal author and analyst for 40 issues from 2008-2019.

- Forecast of California and 8 metropolitan areas in northern and central California is widely utilized by regional banks, businesses and public agencies for business planning.
- Each 60 page report includes commentary on regional economic issues, historical data and five year forecasts of economic and demographic data.
- Jointly sponsor and keynote speaker at annual forecast conferences with the Hispanic Chamber of Commerce (January) and Building Industry Association (October).

“Economic Impact and Trends in Delta Agriculture.” June 2018.

“Potential Economic Impact of Amazon HQ2 in the Sacramento MSA.” September 2017.

“Fiscal Impact of Cannabis Cultivation in Calaveras County.” May 2017.

“Impact and Needs Assessment of Proposed CSU-Stockton.” April 2017.

“Analysis of City-County Property Tax Sharing Agreements Between San Joaquin County and the Cities of Lathrop and Tracy.” March 2017.

“Economic Impact of Cannabis Cultivation in Calaveras County.” February 2017.

“Statistical Analysis of Bar Pass Rates of California Law Schools.” February 2017.

North San Joaquin Valley Index. October 2015, 2016, 2017, 2018.

“Economic Impact of the Cannabis Sector in the Greater Sacramento Area.” October 2016.

“Benefit-Cost Analysis of the California WaterFix.” August 2016.

“Economic Impact of Stockton Metropolitan Airport and Potential New Service to Los Angeles and Mexico.” April 2016.

Regional Analyst. Research and analysis on varying demographic and economic topics in cooperation with the San Joaquin Council of Governments

- The Long Way Home: Regional Commuting Patterns. Fall 2015
- Transportation, Health and the Built Environment. Spring 2015.
- Active Transportation in San Joaquin County. August 2014.
- San Joaquin County Occupational Profile. February 2014.

- Population Projections Update. November 2013.
- Regional Cost of Living Index. November 2013, June 2014.
- Goods Movement System and the San Joaquin Economy. July 2013.
- Mapping San Joaquin Demographics. May 2013.
- International Trade in San Joaquin County. December 2012.
- San Joaquin Population Projections, Census 2010 Update. July 2012.
- The Delta and the San Joaquin County Economy. May 2012.
- Housing Needs and Trends in San Joaquin County. March 2012.
- San Joaquin County Commuting Patterns. October 2011.
- San Joaquin Population and Demographic Forecast. June 2011.
- Rental Housing in San Joaquin County. April 2011.
- San Joaquin County Income: Results from the ACS. March 2011.
- Economic Impact of Nonprofit Arts Sector. November 2010.
- San Joaquin Migration Trends and Population Projections. June 2010.
- Delinquencies, Defaults, and Foreclosures: Understanding the San Joaquin County Real Estate Market. May 2010.
- Health Care in San Joaquin County. February 2010.
- Education in San Joaquin County. November 2009.
- San Joaquin County Population Forecast. August 2009.
- San Joaquin County Employment Landscape. June 2009.
- San Joaquin County Housing: Current Challenges and Future Needs. Dec. 2008.
- Economic Impact of San Joaquin County Agriculture. September 2008.
- Population and Demographic Projections for San Joaquin County. July 2008.
- San Joaquin County Migration Patterns. May 2008.

“Public Transit – Human Services Coordinated Transportation Plans.” CalTrans. June 2015.

- Statewide Executive Summary for Rural Counties.
- Individual Coordinated Plans for 13 Rural Counties: Alpine, Colusa, Del Norte, El Dorado, Glenn, Lassen, Mariposa, Mendocino, Modoc, Sierra, Siskiyou, Tehama.

“Economic Benefits of Investment To Comply with SB 5 Flood Control Requirements.” June 2015.

“Regional Economic Assessment for the North San Joaquin Valley” U.S. EDA. March 2015

- “Identity, Linkages and Opportunities”, Overview Report.
- Human Capital Technical Report
- Migration Technical Report
- Commuting Technical Report
- Industrial Structure and Clusters Technical Report
- Occupational Structure and Clusters Technical Report
- Other Regional Assets and Components Technical Report

“Economic Benefits and Costs in the Upper San Joaquin River Storage Investigation Feasibility Report.” April 2014.

“Review of the Bay Delta Conservation Plan Statewide Economic Impact Report.” December 2013.

“Benefit-Cost Analysis of Delta Water Conveyance Tunnels.” July 2012.

University of the Pacific Community Impact Report. November 2010.

<http://forecast.pacific.edu/impact.html>

- Community Impact Report and Executive Summary

- Economic Impact Analysis.
- Community Engagement and Knowledge Generation Impact Analysis.

“A Retrospective Estimate of the Economic Impacts of Reduced Water Supplies to the San Joaquin Valley in 2009.” September 2010. (with Richard Howitt, Josué Medellín-Azuara, and Duncan MacEwan).

“Employment Impacts of the California Salmon Fishery Closure.” April 2010.

“Employment Impacts of Reduced Water Supplies to San Joaquin Valley Agriculture.” Dec. 2009.

“Unemployment in the San Joaquin Valley in 2009. Fish or Foreclosure?” August 2009.

“The Economics of Ending Delta Water Exports Versus a Peripheral Canal: Checking the Data of the PPIC.” December 2008.

“Conservation Easements and Property Values: Selection Effects and Differential Impacts on Vacant and Residential Properties.” July 2007.

“Economic and Energy Impacts from Maryland’s Potential Participation in the Regional Greenhouse Gas Initiative.” Report to the Maryland Department of the Environment. January 2007. (with ten other collaborators from RESI, University of Maryland, Resources for the Future and Johns Hopkins University)

“Downzoning and Rural Land Markets: A review of recent studies in Maryland and New Jersey.” Report to the Maryland Center for Agro-Ecology, Inc. July 2006. (with Ray Palmquist and George Parsons)

“The Economic Cost of Sea Level Rise to Three Chesapeake Bay Communities.” Report to the National Oceanic and Atmospheric Administration (NOAA) and Maryland Department of Natural Resources. September 2002. (with David Sides and Tim Sullivan).

“Economic Analysis of “The Point” and the Adjacent Counties: Baseline Information, Valuation, and Potential Impacts of Exploratory Drilling.” Report to the North Carolina Division of Coastal Management. November 1999. (with Ray Palmquist and Pete Schumann)

“The Economic Impact and Preferences of Visitors to Fort Knox State Park.” Maine Agricultural and Forest Experiment Station Staff Paper. REP 465. June 1995. (with Stephen Reiling)

“An Analysis of Maine Tourism Indicators.” Maine Agricultural and Forest Experiment Station Staff Paper. REP 462. January 1995. (with Stephen Reiling)

“Factors Affecting the Value of a Wilderness Visit: A Contingent Valuation Study of Caribou-Speckled Mountain Wilderness Users.” U.S. Forest Service, Northeast Forest Experiment Station, General Technical Report NE-198. (with Stephen Reiling and Hsiang-Tai Cheng)

“A Profile of Caribou-Speckled Mountain Wilderness Users, Their Perceptions and Attitudes.” Maine Agricultural and Forest Experiment Station Staff Paper. REP 457. May 1994. (with Stephen Reiling and Kristina McLean)

Grants and Contracts

PI or Co-PI on over \$10 million in grants and contracts from government agencies, non-profits, private foundations and businesses.

“Fellowship in Transformational Change.” California Mental Health Services Oversight and Accountability Commission. January 2023-June 2027. \$5,000,000.

“Population, Households, and Employment Forecasting for Sustainable Communities Strategy.” Stanislaus Council of Governments. July 2020. \$30,000.

- “Economic Impact of Sales Tax Measure A.” Sacramento Regional Transit District. April 2020. \$15,000.
- “Homeless Services Gaps Analysis for San Joaquin County.” Kaiser Permanente. January 2020. \$100,000.
- “Rural Coordinated Plan and Executive Summary Update.” California Department of Transportation. January 2020. \$150,000.
- “Impact Fees and Housing Affordability.” Silicon Valley Community Foundation and Chan Zuckerberg Initiative. January 2020. \$150,000.
- “Goods Movement Skills Needs Analysis.” Stockton Unified School District and Stockton Adult School. September 2019. \$30,000.
- “Census Data Analysis and Forecasting” San Joaquin Council of Governments. July 2019-2022. \$220,000.
- “Healthforce Skills Needs Analysis.” San Joaquin Delta College and the Delta Sierra Adult Education Alliance. June 2019. \$12,000.
- “Delta Economic Sustainability Plan Recreation Update.” The Dangermond Group/Delta Protection Commission. June 2019. \$30,300.
- “Middle-Skills Jobs Roadmap for Stockton, California.” James Irvine Foundation. June 2019. \$100,000.
- “Economic Impact of Adventist Health Hospitals in California.” Adventist Health Systems West. May 2019. \$30,000.
- “North San Joaquin Valley Workforce Development Research,” J.P. Morgan Chase Foundation. August 2018. \$50,000.
- “Economic Sustainability Plan: Agriculture Industry Update” Delta Protection Commission. July 2017. \$150,000 (with CSU-Chico Geographical Information Center)
- “Analysis of Alternatives to the California Water Fix.” Sacramento County. May 2017. \$25,000.
- “Economic and Fiscal Impact of Cannabis Cultivation in Calveras County.” Ebbets Pass Lumber Company. January 2017. \$16,000.
- “North San Joaquin Valley Index, Small Business Conditions Survey, and Outreach for Regional Collaboration and Small Business Development.” J.P. Morgan Chase Foundation. August 2016. \$100,000.
- “California Rural Statewide Intercity Bus Study.” California Department of Transportation. July 2016. \$205,000.
- “San Joaquin Economic, Demographic, and Housing Research and Outreach.” San Joaquin Council of Governments. July 2016. \$180,000.
- “Benefit-Cost Analysis of California WaterFix” Sacramento County. May 2016. \$10,000.
- “Potential Economic and Community Impact of CSU-Stockton.” San Joaquin Community Foundation. May 2016. \$15,000.
- “Analysis of Property Tax Allocation Between City and County after Annexation.” Cities of Tracy, Lathrop and Manteca. April 2016. \$50,000.
- “Economic Assessment of the Development of a Legalized Recreational Marijuana Industry in the Greater Sacramento Region.” Truth Enterprises. March 2016. \$65,000.

- “Development for the Port of Stockton of a Cargo Forecast and Scenario Analysis that includes Economic Impact Assessment.” Port of Stockton. January 2016. \$25,000.
- “Economic Impact of Stockton Municipal Airport.” San Joaquin County. December 2015. \$10,000.
- “Coordinated Plan Update and Feasibility Analysis of Inter-regional Bus Service.” Shasta County. November 2015. \$60,000.
- “North San Joaquin Valley Index and Outreach for Regional Collaboration.” J.P. Morgan Chase Foundation. July 2015. \$50,000.
- “Economic Impact of Ten Space Development Proposal” Ten Space. May 2015. \$7,000.
- “Population and Housing Projections for Regional Transportation Plan Update.” San Joaquin, Stanislaus and Merced Council of Governments. May 2015. \$20,000.
- “Economic Effects of Complying with SB 5 flood control requirements in Reclamation District 17,” City of Lathrop, California. May 2015. \$20,000.
- “Economic Impact of the Port of Stockton: Water-borne Cargo, Tenant Activity, and Capital Improvements.” Port of Stockton. February 2015. \$25,000.
- “Economic Impact of New Home Construction in the City of Stockton.” Building Industry Association of Central California. February 2015. \$5,000.
- “Central Valley Indicators Update: The Economy.” Great Valley Center. November 2014. \$15,000.
- “Economic Value of Water applied to Olives and other Crops.” Corto Olive. November 2014. \$5,000.
- “Coordinated Public Transit-Human Services Rural Transportation Plans.” California Department of Transportation. July 2014. \$200,000.
- “North San Joaquin Valley Regional Assessment Project.” U.S. Economic Development Administration. October 2013. \$99,337.
- “Review of Regional Impacts of the Bay Delta Conservation Plan.” San Joaquin County. August 2013. \$30,000.
- “Demand Analysis and Economic Impact of Deepening the Port of Stockton Shipping Channel.” Port of Stockton. June 2012. \$25,000.
- “Economic Impact of CalSTRS Benefit Payments.” California State Teachers Retirement System. March 2013. \$45,000.
- “San Joaquin Economic, Demographic, and Housing Research and Outreach.” San Joaquin Council of Governments. July 2012. \$168,000.
- “Union Market Share Analysis and Trends.” California Field Ironworkers Labor Management Cooperative Trust Fund. May 2012. \$30,000. Update October 2013. \$8,000.
- “Economic Sustainability Plan for the Sacramento-San Joaquin Delta.” Delta Protection Commission, California Natural Resources Agency. March 2011. \$1,473,000.
- “Employment and Regional Economic Impacts of Wastewater Treatment Upgrades.” Sacramento Regional County Sanitation District. March 2010. \$50,000.
- “Economic Impact of Expansion of Intermodal Transportation Facility.” Union Pacific Railroad. March 2010. \$20,000.
- “Economic and Community Impact of the University of the Pacific.” University of the Pacific. March 2010. \$40,000.

“Economic Forecasting for the San Joaquin Valley.” U.S. Department of Commerce, Small Business Administration. September 2009. \$196,000.

“San Joaquin Census Data Center: Economic, Demographic and Housing Analysis.” San Joaquin Council of Governments. July 2008. \$209,000.

“Environmental Regulation and Property Values.” October 2007. Packard Foundation grant in collaboration with the Georgetown University Environmental Law and Policy Institute. \$100,000.

“Employment Effects of U.S. Climate Change Legislation.” With RESI of Towson University. Natural Resources Defense Council and Pew Environmental Trust. February 2008. \$30,000

“Study of Economic and Energy Impacts of Regional Greenhouse Gas Initiative (RGGI) Participation.” Maryland Department of the Environment. July 2006. \$10,000 subcontract from the Center for Integrative Environmental Research at the University of Maryland.

“Peer Review of Downzoning Studies.” Maryland Center for Agro-Ecology. August 2005. \$15,000.

“Sea Level Rise and the Chesapeake Bay: Economic Impact Forecast and Analysis.” National Oceanic and Atmospheric Administration (NOAA) and Maryland Department of Natural Resources. June 2002. \$30,000. (with Towson University Center for Geographic Information Systems).

University of the Pacific SEED Grant, Summer 2016.

Towson University Faculty Development Research Grants. Summers 2000, 2001, Spring 2005.

Academic Conference Presentations

California Western Law Review Symposium. San Diego, CA. March 2023.

McGeorge Law Review Symposium. Sacramento, CA. March 2022.

Association of University Business and Economic Research Annual Meeting. Savannah, GA. October 2019.

Western Regional Science Association Annual Meeting. Napa, CA. February 2019.

National Association of Business Economists Spring Policy Conference, Association of University Business and Economic Research session. Washington, DC. February 2018.

Western Regional Science Association Annual Meeting. Pasadena, CA. February 2018.

Association of University Business and Economic Research Annual Meeting. Albuquerque, NM. October 2017.

McGeorge Law Review Symposium. Sacramento, CA. March 2017.

9th Biennial Bay-Delta Science Conference. Sacramento, CA. November 2016.

Association of University Business and Economic Research Annual Meeting. Fayetteville, AR. October 2016.

Western Economic Association Annual Meeting. Portland, OR. June 2016.

Keynote Panel at the Biennial State of the San Francisco Estuary Conference. San Francisco Estuary Partnership. Oakland, CA. September 2015.

McGeorge Law Review Symposium. Sacramento, CA. April 2014.

Western Regional Science Association Annual Meeting. San Diego, CA. February 2014.

Biennial State of the San Francisco Estuary Conference. San Francisco Estuary Partnership. Oakland, CA. October 2013.

North American Association of Fisheries Economists Forum. St. Petersburg, FL. May 2013.

American Accounting Association. Western Region Meeting. San Francisco, CA. April 2013.

Association of University Business and Economic Research Annual Meeting. Honolulu, HI. October 2012.

7th Biennial Bay-Delta Science Conference. Sacramento, CA. October 2012.

Association of University Business and Economic Research Annual Meeting. Indianapolis, IN. October 2011.

Western Regional Science Association Annual Meeting. Monterey, CA. February 2011.

Association of University Business and Economic Research Annual Meeting. Charleston, WV. October 2010.

Association of University Business and Economic Research Annual Meeting. Austin, TX. October 2009.

Western Regional Science Association Annual Meeting. Napa, CA. February 2009.

Association of University Business and Economic Research Annual Meeting. Bellingham, WA. October 2008.

Southern Economic Association Annual Meeting. New Orleans, LA. November 2004.

Southern Economic Association Annual Meeting. San Antonio, TX. November, 2003.

Southern Economic Association Annual Meeting. New Orleans, LA. November 2002.

National Science Foundation Workshop on Classroom Experiments in Economics. College of William and Mary, Williamsburg, VA. May 2002.

Protecting Nature on Private Land: From Conflicts to Agreements. International workshop sponsored by the European Forest Institute. Lahti, Finland. June 2002.

Human Conflicts with Wildlife: Economic Considerations. National Wildlife Research Center. Fort Collins, CO. August 2000.

Association of Environmental and Resource Economists Workshop on the Effectiveness of Environmental Regulation. San Diego, CA. June 2000.

Pacific Northwest Conference on Environmental and Resource Economics. Eugene, OR. May 1999.

American Economic Association Annual Meeting. New York, NY. January 1999.

American Agricultural Economics Association Annual Meeting. Salt Lake City, UT. August 1998.

Camp Resources VI. Wilmington, NC. August 1998.

Northeast Agricultural and Resource Economics Association Annual Meeting. Ithaca, NY. June 1998.

Southern Forest Economics Workshop. Williamsburg, VA. March 1998.

Southern Agricultural Economics Association Annual Meeting. Little Rock, AR. February 1998.

Camp Resources IV. Wilmington, NC. August 1996.

Northeast Agricultural and Resource Economics Association Annual Meeting. Burlington, VT. June 1995.

Northeast Recreation Research Symposium. Saratoga, NY. April 1994.

Selected Other Professional Presentations

Invited Testimony to the California Legislature

- Assembly Water, Parks and Wildlife Committee. AB 791 (Frazier) April 25, 2017.
- Assembly Water, Parks and Wildlife Committee. AB 1713 (Eggman) April 19, 2016.
- Senate Select Committee on the Sacramento San Joaquin Delta. Pending Delta Decisions and their Potential Economic and Other Impacts on San Francisco and the Bay Area. March 11, 2016. San Francisco, CA.
- Assembly Committee on Accountability and Administrative Review. Hearing on Finance and Accountability of the Bay Delta Conservation Plan. February, 12, 2014.
- Senate Natural Resources and Water Committee. Hearing on Governance and Financing of the Bay Delta Conservation Plan. August 13, 2013.
- Senate Natural Resources and Water Committee. Update on Economic Sustainability Plan for Sacramento-San Joaquin Delta. February 28, 2012.
- Assembly Committee on Accountability and Administrative Review. The State's Role In Addressing Income and Wealth Inequality. December 7, 2011.
- Environmental Caucus Meeting: Water and Jobs in the San Joaquin Valley, June 2010.
- Assembly Committee on Jobs, Economic Development and the Economy: California's Employment Outlook. February 2010.

Selected Presentations to Statewide Business, Professional Groups and Government Commissions

- California Energy Commission Economic Outlook and Policy Conference. Sacramento. January 2011, 2013, 2017, 2019, 2021, 2023.
- Rural Representatives of California. Monterey, CA. October 2021.
- California Association of Counties Annual Conference. Stockton, CA. October 2018.
- California Dental Association Workshop. Sacramento. June 2018.
- Legislative Staff Leadership Institute. Sacramento. February 2018, November 2016.
- Capitol Weekly Marijuana Conference: The Market, Costs and Taxes. May 2017.
- California Urban Partnership Cannabis Summit. Sacramento. March 2017.
- California Energy Commission Economic Outlook. Sacramento. January 2011, 2013, 2017.
- UCLA Anderson Forecast. Los Angeles, Ca. June 2016.
- Capitol Weekly, Water 2016 Fiscal Panel. April 2016.
- Engineering News and Record Western Water Conference. Keynote Presentation and Panel. Huntington Beach, CA. November 2015.

- California State Association of County Auditors. San Francisco, CA. April 2015.
- California Self-Insurance Association. Sacramento, CA. November 2014.
- California Workers Compensation Insurance Board Conference. San Francisco, June 2014.
- California Hispanic Chamber of Commerce Legislative Conference. Sacramento, May 2014.
- California Department of Finance Forecast Conference. Sacramento, CA. October 2010-13.
- California State Teachers Retirement System Meeting. Sacramento, CA. September 2013.
- California Sheriffs Association Annual Meeting. Anaheim, CA. September 2013.
- Professional Fiduciary Association of California Annual Conference. Monterey. April 2013.
- California Hispanic Chamber of Commerce Economic Summit. Sacramento. March 2013.
- Association of California Water Agencies: Deltanomics. San Diego. December 2012.
- California Department of Finance Forecast Conference. Sacramento. November 2010-2012.
- California Bankers Association, Chief Credit Officer Symposium. Monterey. Nov. 2012.
- California Sheriffs Association Annual Meeting. Squaw Valley, CA. August 2012.
- Delta Stewardship Council, State of California. Presentations and testimony at 4 public meetings in 2011-12.
- California School Boards Association Budget Workshop. January 2012.
- Delta Protection Commission, California Resources Agency. Presentations and testimony at 6 public meetings 2011-12.
- California Fire Chiefs Association Economic Summit. Sacramento. May 2009.

Selected Presentations to Local and Regional Business, Professional, and Public Meetings.

- San Joaquin Hispanic Chamber of Commerce Forecast Keynote. Stockton, CA. Annually, January 2011- 2020.
- Association of General Contractors Fall Outlook. Fresno, CA. November 2018.
- Building Industry Association of the Greater Valley Outlook. Annual event near Modesto, CA. October 2011 - 2018.
- Union Bank Economic Outlook. Fresno, CA. July 2018.
- Association of Pacific Ports. Stockton, CA. July 2018
- Delta Protection Commission Leadership Program. Clarksburg, CA. May 2018, 2017.
- Union Bank Economic Outlook. Sutter Club, Sacramento, CA. April 2018.
- Sacramento Metropolitan Chamber of Commerce State Policy Summit. March 2018.
- Central Valley Community Bank Board Meeting. Fresno, CA. December 2018.

- Sacramento Association of Realtors. Keynote Emerging Trends Forum. Sacramento, CA. September 2017.
- Santa Clara Valley Water District Board Workshop. San Jose, CA. August 2017.
- Sierra/Valley Bankers Forum Keynote. Modesto, CA. May 2017.
- San Joaquin Council of Governments Housing Workshop, Stockton, CA. May 2017.
- Los Angeles Water Leaders Workshop, Los Angeles, CA. May 2017.
- San Diego County Water Authority Board Workshop. San Diego, CA. December 2016.
- Sacramento Asian Chamber of Commerce. Sacramento, CA. December 2016.
- North San Joaquin Valley Index Conference. Tracy, CA. November 2016.
- North State Building Industry Association Economic Summit. Roseville, CA. October 2016.
- San Joaquin County Board of Supervisors Special Study Session. Stockton, CA. Nov. 2016.
- Wilke Fleury. Sacramento CA. January 2016.
- North San Joaquin Valley Index Conference. Stockton, CA. October 2015.
- Congressman McNerney's Delta Water Panel. Stockton, CA. October 2015.
- North San Joaquin Valley Marketing to Commercial Real Estate Brokers. Co-sponsored by Stanislaus Alliance, San Joaquin Partnership and Merced County. Pleasonton CA. August 2015.
- Sacramento LAI. Sutter Club, Sacramento CA. June 2015.
- Vulcan Materials Corporation Economic Outlook Forum. Fremont, CA. April 2015.
- Central Valley Community Bank Directors and Customers. Stockton, CA. April 2010-2015.
- Next Economy Strategy Committee CEO Forum. Sacramento Metro Chamber of Commerce. November 2014.
- North San Joaquin Valley Regional Assessment Conference. Modesto, CA. November 2014.
- Stanislaus Alliance and Modesto Chamber of Commerce Economic Summit. October 2014.
- Solano County Board of Supervisors Meeting. Fairfield, CA. June 2014.
- Folsom Chamber of Commerce Economic Outlook. Folsom, CA. May 2014.
- Sacramento Commerce and Trade Organization Salute to New Industry. March 2014.
- Placer County Economic Development Breakfast Keynote. Roseville, CA. March 2014.
- Wells Fargo Northern California Commercial Lending Retreat. Stockton, CA. March 2014.
- California Partnership for the San Joaquin Valley: Drought Impacts. Merced, March 2014.
- Northern California Bankruptcy Conference. Sacramento, CA. February 2014.
- Urban Land Institute Real Estate Conference. Sacramento, CA. December 2013.
- Central Valley Fund Venture Forum, Keynote. Fresno, CA. October 2013.

- San Joaquin Council of Governments Regional Planning Conference. Stockton, CA. October 2013.
- Restore the Delta Keynote Address. French Camp, CA. October 2013.
- San Joaquin League of Women's Voters Forum on Measure A Sales Tax Increase. Stockton, CA. October 2013.
- San Diego County Water Authority Board Meeting. September 2013.
- Delta Counties Coalition. Local Government Officials and Congressional Staff Tour and Briefing. Oakley, CA. August 2013
- Rancho Cordova Chamber of Commerce Economic Outlook Conference. February 2013-15.
- Santa Cruz Business Council. Aptos, CA. May 2010, December 2011, 2012, 2013.
- Oak Valley Community Bank Directors and Customers. Ripon, CA. November 2012.
- Building Industry Association of the Greater Valley Outlook. October 2011 - 2014.
- San Joaquin Council of Governments Growth Forum. August 2012.
- Northern California Tax Collectors and Assessors Annual Meetings. January 2010, January 2012, August 2012.
- Valley Manufacturing Alliance Annual Meeting. Modesto, CA July 2012.
- Stockton Technology Conference. Stockton, CA. July 2012.
- Yolo County Small Business Summit. Davis, CA. June 2012.
- Valley Futures Forum. Modesto, CA. May 2012.
- San Joaquin Farm Bureau Annual Meeting. Roberts Island, CA. May 2012.
- Educational Employees Credit Union Board of Directors Meeting. Fresno, Ca May 2012.
- Alliance Small Business Development Center Conference. Modesto, CA. April 2012.
- American Association of University Women. Lodi, CA. April 2012.
- Appraisal Institute Conference. Modesto, CA. March 2012.
- Urban Land Institute Workshop. Sacramento, CA. March 2012.
- Sustainability Coalition Forum. Stockton, CA March 2012.
- Planning Pays Off Forum. Stockton, CA. January 2012.
- Municipal Finance Officers Meeting. Manteca and Stockton, CA. May 2010, Nov. 2011.
- Telergee Alliance Annual Meeting. Sonoma, CA, San Antonio, TX. November 2010, 2011.
- Modesto Chamber of Commerce, State of the Region Keynote. Modesto. October 2011.
- Sacramento Business Journal Forecast. Sacramento. October 2010, 2011.
- Bank of Stockton Trust Directors and Customers. Stockton, CA. September 2011.

- Golden One Credit Union Board of Directors Meeting. Sacramento, CA. August 2011 and May 2014.
- University of the Pacific Board of Regents Meeting. Sacramento, CA. April 2011.
- Valley Water Consortium. Fresno, CA. March 2010 and May 2014.
- Small Business and Economic Development Workshop. Organized by Congressman Jerry McNerney. Stockton, CA. March 2010.
- California Water Issues Forum. Pacific McGeorge School of Law. Sacramento, CA. February 2010.
- Great Valley Center Leadership Forum. Modesto, CA. January 2010 and 2009.
- Risk Management Association. Fresno, CA. December 2009, December 2010.
- Modesto Symphony Orchestra Annual Supporters Event. Modesto, CA. April 2009.
- Coalition of Mexican-American Associations. Stockton, CA. April 2009.
- Housing Issues Forum. San Joaquin Council of Governments. Stockton, CA. March 2009.
- Northern California Grantmakers Foundation. San Francisco, CA. January 2009.
- Federal Reserve Bank of San Francisco Community Redevelopment Workshops. Sacramento and Fresno, CA. November 2008.
- Many other luncheon and breakfast talks to various civic organizations.

Op-Eds and Popular Press

Approximately 2,000 media quotes and citations including *Wall Street Journal*, *New York Times Magazine*, *NPR*, *PBS NewsHour*, *NBC Nightly News*, *Newsweek*, *Fortune*, *National Geographic*, *Los Angeles Times*, *San Francisco Chronicle*, *Washington Post*, and numerous local radio, TV, and papers.

“Why Costly WaterFix Project Fixes Nothing.” *San Diego Union-Tribune*. September 13, 2017. (with Don Nottoli).

“Signs Point to Steady Growth.” *Silicon Valley Business Journal*, May 26, 2017.

Profiled in “Six Experts to Watch on the Economics of California Water.” *Water Deeply*. December 2016.

“Delta Tunnels Proposal Is a Muddled Gamble” *Sacramento Bee*, September 6, 2016. (with John Kirlin).

“Dump low-yield, high-risk Delta tunnels plan.” *Modesto Bee*. September 11, 2015. *Fresno Bee*, September 10, 2015. (with Kathy Miller and Karen Mitchoff)

“Cost of Delta Tunnels Doesn’t Add Up.” *Sacramento Bee*. July 25, 2015.

“The Economic case for a Bay Delta Conservation Plan without the twin tunnels.” *Sacramento Bee*. October 6, 2013.

“Costly Water Plan,” *San Bernadino Sun*. October 21, 2012.

“Levee Upgrades Offer Protection at Far Lower Cost.” *The Sacramento Bee*. March 25, 2012. (with Dr. Robert Pyke).

“Water Won’t Wash Away Valley’s Recession.” *The Sacramento Bee*. May 1, 2009.

Reprinted in *Fresno Bee*, *Chico Enterprise Record*, and *American Rivers*.

“California Business Pulse.” *Smart Business (Northern California, Los Angeles, Orange County, and San Diego editions)*. A feature page of economic data and commentary. Monthly from May 2008 to April 2009.

“Maryland’s Troubling Transfer Tax.” *The Baltimore Sun*. March 22, 2007.

“Cut Emissions and Red-Tape for the Environment’s Sake.” *The Baltimore Examiner*. February 6, 2007.

“Peak-time pricing: A Better Way to Conserve Electricity and Lower Costs.” *The Baltimore Examiner*. July 11, 2006.

“Make All Polluters Pay.” *The Baltimore Sun*. January 5, 2004.

“State May Be Hurting, Not Helping, Crab Industry.” *The Baltimore Sun*. June 22, 2001.

Valley Economy Blog (<http://valleyecon.blogspot.com>). November 2008 – present.

Honors and Awards

Carla Bard Environmental Education Award. The Bay Institute. June 2018.

California Legislature Resolution 1106, June 19, 2017. “Dr. Jeffrey Michael be commended for his exemplary record of service to the people of the State of California, applauded for his invaluable contributions to state policy...”. Presented by Honorable Jim Frazier, 11th Assembly District (Contra Costa and Solano counties)

Six Experts to Watch on the Economics of California Water. Water Deeply. December 2016.

Delta Advocate Award. Restore The Delta. October 2013.

Towson’s Elite. Towson University Student Government Association, Spring 2004.

Outstanding Teacher Award. Towson University College of Business and Economics. 2001-02.

Young Faculty Fellow. International Foundation for Research in Experimental Economics, 2000.

Outstanding Dissertation, Economics Graduate Program, NC State University, 1999.

Most Distinguished Graduate Student Paper. Southern Agricultural Economics Association, 1998.

U.S.D.A. National Needs Fellowship in Forest Economics and Management. NC State. 1995-98.

Alumni Graduate Fellowship. North Carolina State University. 1995-96.

Outstanding Master’s Thesis. Dept. of Resource Economics and Policy. Univ. of Maine. 1994.

Departmental Honors, Deans List. Hamilton College, 1992.

Independent Consulting Experience

Central and South Delta Water Agencies, County of San Joaquin. Comments on the Delta Conveyance Project Draft Environmental Impact Report.

State of Nebraska: Economic Analysis of Platte River Water Development Projects.

Soluri, Meserve LLC: Review of Benefits and Costs of Proposed Pacheco Reservoir.

Soluri, Meserve LLC: Review of Economic and Fiscal Benefits of Proposed Regional Hospital.

William Parish, Attorney. Expert economic witness for commercial real estate case in Fresno, CA.

Central and South Delta Water Agencies, County of San Joaquin. Expert witness for California WaterFix hearings before State Water Resource Control Board.

NOAA, U.S. Dept. of Commerce. Panelist for Program Review of Economics and Human Dimensions Program. Southwest Fisheries Science Center. Santa Cruz and La Jolla, CA.

South San Joaquin Irrigation District: Economic benefits analysis of acquiring Pacific Gas and Electric's electricity distribution system.

Natomas Central Mutual Water District: Analysis of proposed changes to service termination fees.

County of Sacramento. Socioeconomic analysis of BDCP EIR/EIS.

Friends of the River. Financial Feasibility of Proposed Dams.

Environmental Action Committee of West Marin. Economic Analysis of Shellfish Aquaculture.

Sacramento Regional Sanitation District. Analysis of Industrial Incentive Rate Structure.

EconNorthwest, Inc.: Economic Analysis of River Flows and Water Quality.

Kroloff, Belcher, Smart, Perry and Christopherson, LLC: Economic Analysis of Residential and Commercial Electricity Rate Adjustments.

Soluri, Meserve LLC: Economic Analysis of Water Transfers.

Natural Resource Defense Council and Earthjustice: Economic Analysis for Consolidated Salmon and Delta Smelt Cases in U.S. District Court.

City of Modesto: Economic Analysis of Proposed Water Treatment Plant Improvements.

Pacific Institute: Long Range Water Demand Forecasting.

Regional Economic Studies Institute: Employment Impacts of Climate Change Policies.

Bionicare, Inc.: Market Study of Medical Devices.

U.S. Forest Service: Economic Analysis of Endangered Species and Wilderness Areas.

University of Maine, Department of Resource Economics and Policy: Tourism Economic Analysis.

Northeast Research, Inc.: Public Health Survey Research.