

Sisinnio Concas

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SUMMARY OF QUALIFICATIONS

Senior researcher with over 18 years of solid experience leading and managing research project portfolios. Proven expertise in transportation policy analysis, economic feasibility evaluations, applied econometric modeling. Advanced knowledge of statistical packages (SAS, Stata, SPSS, R, EViews) and nonparametric user-designed packages. Languages – Italian: native; English and Spanish: fluent; French: proficient; Portuguese: working knowledge.

EMPLOYMENT HISTORY

Program Director, Autonomous & Connected Mobility Evaluation (ACME) Jul. 2017 – Present

Employer: Center for Urban Transportation Research
4202 E. Fowler Ave., CUT 100, Tampa, FL 33620

Managing research group specializing in performing economic evaluation and performance assessment of connected and autonomous vehicles in terms of safety, mobility, economic productivity, energy and environmental benefits. Developing and implementing the performance measurement and evaluation of the Federal Highway Administration (FHWA) Connected Vehicle Pilot Deployment Program – Tampa Site (\$1.9 million). Identifying and estimating the revenue implications of increased penetration rates for autonomous and alternative fuel technologies – Florida Department of Transportation (\$250,000). Managing the performance evaluation of the Federal Transit Administration (FTA) Safety Research and Demonstration (SRD) Program (\$750,000).

Research Associate Professor Jan. 2012 – Present

Employer: University of South Florida College of Civil Engineering
4202 E. Fowler Ave., CUT 100, Tampa, FL 33620

Direct recipient of more than \$2.6 million in grant-funded research. Managing the economic evaluation of the FTA urban circulator and streetcar investments. Evaluating the return on investments of transportation demand management (TDM) programs. Contributing to national and international cross-university research collaboration. Invited as expert panelist on national and international transport conferences.

Senior Research Associate July 2005 – Dec. 2011

Employer: Center for Urban Transportation Research
4202 E. Fowler Ave., CUT 100, Tampa, FL 33620

Exercised project management duties of a \$4.2 million research portfolio. Supervised team of associate researchers and graduate research assistants. Led implementation of dynamic carsharing pricing pilot

project funded by the U.S. Department of Transportation Value Pricing Pilot Program (VPPP). Conducted economic impact analysis of state public transportation systems, tolling agencies work plans, and freight and airport infrastructure investments. Created a standard approach to quantify the costs and benefits of transportation demand management (TDM) initiatives. Developed TRIMMS™ (Trip Impacts of Mobility Management Strategies), a benefit-cost analysis model to evaluate a broad range of TDM strategies. Presented study findings at stakeholders board meetings, public hearings, and forums. Invited as TDM expert panelist in international conferences on mobility management.

Research Associate

Dec. 2002 – July 2005

Employer: Center for Urban Transportation Research
4202 E. Fowler Ave., CUT 100, Tampa, FL 33620

Performed project management duties for a \$3.1 million research portfolio. Direct recipient of \$360k in research grants. Managed team of graduate research assistants. Conducted research on dedicated truckways lanes on the highway system. Developed a real options approach to estimate benefits of transportation research for the Florida Department of Transportation. Designed a framework to assess the feasibility of alternative fuels for mass transit. Formulated a nonparametric econometric model to analyze local paratransit market and fare structure. Defined a project prioritization methodology to evaluate Florida's general aviation airport security enhancements.

Visiting Research Associate

Aug. 2001 – Dec. 2002

Employer: Center for Urban Transportation Research
4202 E. Fowler Ave., CUT 100, Tampa, FL 33620

Developed input-output model for toll bridge authority investment evaluation. Conceived policy plans to analyze the economic cost of delaying transportation infrastructure investments. Conducted statistical analysis and econometric modeling of travel behavior changes in response to transport improvements.

Research Assistant

Aug. 2000 – July 2001

Employer: Center for Urban Transportation Research
4202 E. Fowler Ave., CUT 100, Tampa, FL 33620

Redacted technical reports and drafted presentations on transportation trends and policy issues. Prepared written analyses and reports for publication under the supervision of senior research associates. Compiled, reviewed, and assessed information from academic journals, market sources, and government reports. Designed business surveys for economic impact analysis.

Graduate Teaching Assistant

Aug. 1999 – Aug. 2000

Employer: University of South Florida, Department of Economics
4202 E. Fowler Ave., Tampa, FL 33620

Assisted in correcting and grading exams, preparing and administering class material. Conducted theoretical and applied research in econometrics lab.

Economist

Feb. 1998 – Aug. 1999

Employer: U.S. Africa Education Foundation
102 E. Kennedy Blvd., Tampa, FL 33620

Monitored current regional events to identify emerging economic trends and issues. Compiled, updated, and analyzed regular releases of economic data. Assisted the economics team in conducting economic research and developing appropriate software and database infrastructure.

EDUCATION

University of South Florida 2010
Ph.D., Economics
Fields of Concentration: Urban Economics and Applied Econometrics

University of South Florida 2000
M.A., Economics
Fields of Concentration: Economic Policy Analysis and Applied Econometrics

Università degli Studi di Sassari, Italy 1997
Laurea di Dottore (Doctoral Degree) in Political Sciences
Fields of Specialization: Macroeconomics and Political Economy

PROFESSIONAL AFFILIATIONS

- Transportation Research Board of the National Academy of Sciences:
 - Transportation Economics Committee (ABE20), Member
 - Subcommittee on International Developments in Light Rails Transit (AP075(3)), Member
- International Association of Travel Behavior Research
- International Transportation Economics Association
- World Society for Transport and Land Use Research
- SAE Standards Shared and Digital Mobility Committee, Member

OTHER ENGAGEMENTS

Teaching Faculty

- University of South Florida, Department of Economics
- University of Tampa, Department of Economics

REFEREED PUBLICATIONS

- “Streetcar Investments and Economic Development: Evidence from Five U.S. Systems (Forthcoming), *Transportation Research Record: Journal of the Transportation Research Board*.

- Measuring Travel Behavior Changes to Variably Priced Carsharing Using Mobile Applications, in Rasouli, Soora and Harry Timmermans. "Mobile Technologies for Activity-Travel Data Collection and Analysis." 1-325 (2014).
- The Interaction between Urban Form, Residential Location, and Transit Travel (2014), with DeSalvo J.S., *Journal of Public Transportation*, Vol. 17, No.3, pp. 16-38.
- Accessibility and Housing Price Resilience: Evidence from Limited-Access Roadways (2013), *Transportation Research Record: Journal of the Transportation Research Board*, No.2357, pp.66-76.
- Investigating Changes in Willingness to Pay for Managed Lane Systems: Quasi-Panel Approach (2013), with Patil S., Burriss M., *Transportation Research Record: Journal of the Transportation Research Board*, Vol. 2382, pp.37-45.
- Variation in the Value of Travel Time and Its Impact on the Benefits of Managed Lanes (2010), with Burriss M., Shaw W.D., and Patil S., *Transportation Planning and Technology*, Vol. 34, pp. 547-567.
- Impact of Carpooling on Trip-Chaining Behavior and Emission Reductions (2007), with Winters P.L., *Transportation Research Record: Journal of the Transportation Research Board*, No.2010, pp. 83-91.
- Fare Pricing Elasticity, Subsidies, and Demand for Vanpool Services (2005), with Winters P.L., *Transportation Research Record: Journal of the Transportation Research Board*, No.1924, pp. 215-224.

SELECTED REFEREED CONFERENCE PAPERS AND PRESENTATIONS

- "Planning the Performance Evaluation and Assessment of the Tampa CV Pilot Deployment: Opportunities and Challenges." Presentation, Transportation Research Board 97th Annual Meeting, January 7-11, 2018.
- "Assessing Impacts of Streetcars on Accessibility." Presentation, Transportation Research Board 97th Annual Meeting, January 7-11, 2018.
- "Streetcar Investments and Economic Development: Evidence from Five U.S. Systems." Presentation, Transportation Research Board 97th Annual Meeting, January 7-11, 2018.
- "Assessing the Impact of Roadway Rehabilitation on Small Businesses." Presentation, Transportation Research Board 97th Annual Meeting, January 7-11, 2018.
- "Economic Development Impacts of Federal Government Investments in Streetcar Systems: Preliminary Evidence." Presentation, Transportation Research Board 96th Annual Meeting, January 8-12, 2017.
- "Understanding the Necessary Performance Measures for Evaluating the Effects of Connected Vehicle (CV) Deployment." Conference presentation, Transpo2016 ITS Florida, November 13-16, 2016.
- "The Effect of Urban Form on Residential Location and Non-Work Travel Behavior; A Case of Florida Households." Paper presentation, Transportation Research Board 93^d Annual Meeting, January 12-16, 2014.
- "What Is It All Worth? Quantifying Economic Value of TDM Investments." Invited workshop presentation, Transportation Research Board 92nd Annual Meeting, January 13-17, 2013.

- “Do Variable-Pricing Strategies Influence Activity-Travel Patterns of Carsharing Users? A Case Study.” Invited workshop presentation, Transportation Research Board 92nd Annual Meeting, January 13-17, 2013.
- “Role of Density in Supporting Sustainable Modes: New Perspective on Interaction Between Urban Form and Transit Travel.” Paper presentation, Transportation Research Board 91st Annual Meeting, Washington, D.C., January 22-26, 2012.
- “The Interaction between Urban Form, Residential Location, Trip Chaining and Transit Travel.” International Economics Association Kuhmo Nectar Conference, June 21-22, 2012, Berlin, Germany
- “Life-cycle Assessment of Alternative Fuels for Mass Transit Systems.” ISATS2010: First International Symposium on Advances in Transport Sustainability, Arizona, November 17-19, 2010.
- “The Activity Locator: A Platform to Personalize Cost Externalities From Daily Car Trips.” SIDT 2010 International Conference, Rome, June 17-18, 2010.
- “Estimating the Social Costs and Benefits of Transportation Demand Management Programs Using TRIMMS,” TRB Integrated Corridor System Management Modeling-Best Practices Workshop, Irvine, CA, September 14-15, 2009.
- “Transportation Demand Management: The United States Experience.” Technical Conferences on Mobility Management, Madrid, May 19-20, 2009.
- “Integrating Transit Travel Behavior and Urban Form.” 12th International Conference on Travel Behavior Research, Jaipur, India, December 13-18, 2009.