

SISINNIO CONCAS, PH.D.

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PROFILE

Senior economist with over 10 years of solid experience as an expert economist at a national transportation research center. Extensive experience in research project management, transportation policy analysis, parametric and nonparametric econometric modeling, economic impact analysis, stated and revealed preference surveys. Advanced knowledge of statistical tools (SAS, Stata, SPSS, R, Eviews, ArcGIS). Extraordinary commitment to on-time, on-budget project execution. Keen ability to write and present information in a clear and concise manner. Experience in leading and managing subordinates. Fluent in Italian and Spanish, proficient in French.

WORK EXPERIENCE

Senior Research Associate

2005 –Present

Center for Urban Transportation Research, University of South Florida

- Exercise project management duties from inception to end of a \$4.2 million research portfolio.
- Direct recipient of more than \$1 million in grant-funded research.
- Supervise research associate and graduate research assistants.
- Conduct statewide economic impact analysis of:
 - Airport operation and freight movement.
 - State tolling agency work plans.
 - Fixed-route public transportation system.
 - Transportation infrastructure improvements.
- Developed an analytical polycentric-based model of residential location and travel demand within an activity-based framework.
- Developed TRIMMS[®] (Trip Impacts of Mobility Management Strategies), a benefit-cost analysis model to evaluate a broad range of TDM strategies.
- Design and implement dynamic pricing schedule under DOT/FDOT dynamic pricing pilot project.
- Developed a framework to evaluate cost feasibility of alternative fuels for mass transit.
- Designed and developed sketch-planning application BuFFeT[®] (Bus Fleet Fuel Evaluation Tool) in use by transit agencies statewide and nationwide. Implemented Monte Carlo Simulation module within model to account for alternative fuel cost variability.
- Developed a standard approach to evaluate costs and benefits of transportation demand management (TDM) initiatives.
- Invited as TDM expert panelist in international conferences on mobility management.
- Participate in national and international cross-university research collaboration.

Research Associate

2001-2005

Center for Urban Transportation Research, University of South Florida

- Performed project management duties for a \$3.1 million research portfolio.
- Obtained funding for \$360k in research grants.
- Managed team of graduate research assistants.
- Conducted research on dedicated truckway lanes on State's highway system.
- Developed a real options approach to estimate benefits of transportation research for Florida Department of Transportation.
- Formulated a nonparametric model to analyze local paratransit market and fare structure.
- Developed project prioritization methodology to evaluate Florida's general aviation airport security enhancements.
- Produced high number of research report to broad range of clients.
- Presented findings at relevant public hearings and forums.

Visiting Research Associate **2000-2001**
Center for Urban Transportation Research, University of South Florida

- Developed input-output model for toll bridge authority investment evaluation.
- Developed policy plan to analyze the economic cost of delaying transportation infrastructure investments.
- Conducted statistical analysis and econometric modeling of travel behavior
- Designed business survey for impact analysis.

Graduate Research Assistant **2000-2001**
Center for Urban Transportation Research, University of South Florida

- Conducted literature reviews.
- Prepared charts and tables for analysis and presentations.
- Compiled, reviewed, and assessed information from academic journals, market sources, and government reports.
- Wrote technical reports and drafted presentations on transportation trends and policy issues.
- Prepared written analyses and drafted reports for publication under the supervision of senior research associates.

Graduate Teaching Assistant **1999-2000**
Department of Economics, University of South Florida

- Assisted in correcting and grading exams, preparing and administering class material
- Conducted laboratory research

Economist **1998-1999**
U.S.-Africa Education Foundation, Tampa, FL

- 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, Tampa, FL
Ph.D. Economics, Minor in Urban Economics and Applied Econometrics 2010
Advisor: Dr. Joseph S. DeSalvo

University of South Florida, Tampa, FL
M.A. Business Economics 2000

Università degli Studi di Sassari, Italy
Doctoral Degree in Political Science, Minor in Aggregate Economics 1997
Advisor: Prof. Alessandro Penati

REFEREE AND REVIEW ACTIVITIES

Transportation Research Board – Transportation Demand Management Committee (ABE50), Committee Member.
Transportation Research Board - Transportation and Economic Development Committee (ADD10), peer review.
Transportation Research Board - Traveler Behavior and Values Committee (ADB10), peer review.
International Association of Travel Behavior Research – Member
Journal of Public Transportation – Reviewer
Southern Economic Association – Member and Reviewer
USF Faculty Senate Research Council – USF Internal Awards Reviewer

TEACHING

USF Department of Economics

Principles of Microeconomics, Principles of Macroeconomics, Intermediate Price Theory, Econometrics I, Managerial Economics.

SELECTED GRANTS AND AWARDS

	<i>Period</i>	<i>Amount</i>
Miami-Dade Expressway Authority Title: Assessing the Economic and Business Impacts of the Proposed SR924 Parkway Extension	2011	\$61,648
Florida Department of Transportation Title: Estimating the Costs and Benefits of Emission Reduction Strategies by Extending The TRIMMS Model	2011	\$95,000
Florida Department of Transportation Title: <i>An Analysis of the Impacts of Urban Fixed-Route Transit in Florida</i>	2009-2011	\$125,303
Orlando-Orange Expressway Authority Title: <i>Assessing the Economic Impact and Benefits of the Five-Year Work Plan</i>	2009	\$45,532
Tampa-Hillsborough Expressway Authority Title: <i>Economic and Business Impacts of The Proposed Gandy Connector</i>	2009	\$34,604
Florida Department of Transportation Title: <i>Value Pricing Pilot Program</i>	2009-2011	\$331,289
National Center for Transit Research –Florida Department of Transportation Title: <i>Quantifying Net Social Benefits of Vehicle Trip Reduction Impacts: Guidance for Customizing the TRIMMS Model</i>	2007-2009	\$100,000
National Center for Transit Research –Florida Department of Transportation Title: <i>A Synthesis of the Value of Time and Travel Time Reliability</i>	2007-2008	\$50,000
National Center for Transit Research –Florida Department of Transportation Title: <i>Integrating Transit and Urban Form</i>	2007-2008	\$140,000
Florida Department of Transportation Title: <i>Monitoring the Implementation of Cleaner Fuels and Alternative Technologies for Florida Mass Transit Systems</i>	2006-2009	\$300,000
National Center for Transit Research –Florida Department of Transportation Title: <i>Economics of Travel Demand Management</i>	2006-2007	\$100,000
Florida Department of Transportation Title: <i>Assessment and Evaluation of Alternative Fuel Options for Florida's Mass Transit Systems</i>	2003-2005	\$219,983
Hillsborough County Aviation Authority Title: <i>Assessing the Economic Impact of Tampa International Airport</i>	2004-2005	\$83,506
Orlando Orange Expressway Authority Title: <i>Assessing the Economic Impact of Delaying Transportation Improvement Projects</i>	2003-2004	\$48,245

SELECTED PUBLICATIONS AND PRESENTATIONS

"Variation in the Value of Travel Time and Its Impact on the Benefits of Managed Lanes" (with Mark Burris, W. Douglass Shaw, and Sunil Patil), *Transportation Planning and Technology*, Vol. 34, pp. 547-567.

"Impact of Carpooling on Trip-Chaining Behavior and Emission Reductions" (with Philip L. Winters), *Transportation Research Record*, No.2010.

"Fare Pricing Elasticity, Subsidies, and Demand for Vanpool Services" (with Philip L. Winters), *Transportation Research Record*, No.1924, pp-215-224.

"Life-cycle Assessment of Alternative Fuels for Mass Transit Systems." ISATS2010: First International Symposium on Advances in Transport Sustainability, Arizona, November 17-19, 2010.

"Estimating the Social Costs and Benefits of Transportation Demand Management Programs Using the TRIMMS Model." ISATS2010: First International Symposium on Advances in Transport Sustainability, Arizona, November 17-19, 2010.

"Analyzing the Economic Impacts of Five-Year Work Plans of Tolling Authorities." TEAMFL Quarterly Meeting, Miami, October 20-21, 2010.

"Analyzing the Business Impacts of Limited-Access Relief Routes." TEAMFL Quarterly Meeting, Miami, October 20-21, 2010.

"Value of Travel Time Savings on Managed Lanes for Urgent Situations," Transportation Research Board 89th Annual Meeting, Washington, D.C., January 10-14, 2010.

"The Activity Locator: A Platform to Personalize Cost Externalities From Daily Car Trips." SIDT 2010 International Conference, Rome, June 17-18, 2010.

"Estimating Net Social Benefits of Vehicle Trip Reductions with the TRIMMS Model," Transportation Research Board 89th Annual Meeting, Washington, D.C., January 10-14, 2010.

"Integrating Transit Travel Behavior and Urban Form," 12th International Conference on Travel Behavior Research, Jaipur, India, December 13-18, 2009.

"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.

"Estimating the Benefits of TDM using the TRIMMS Model," Institute of Transportation Engineers 2009 Annual Meeting, Texas, August 9-12, 2009.

"Transportation Demand Management: The United States Experience," Technical Conferences on Mobility Management, Madrid, May 19-20, 2009.

"Residential Location, Transit Patronage, and Self-Selection: New Perspective on Relevance of Transit Station Proximity," Transportation Research Board 88th Annual Meeting, Washington, D.C., January 11-15, 2009.

"Modeling the Joint Determination of Residential Location, Non-Work Travel and Trip-Chaining," 78th Southern Economic Association Annual Meeting, Washington, D.C., November 20-23, 2008.

"Estimating Societal Costs and Benefits of Transportation Demand Management," 2008 Act International Conference, Atlanta, August 24-27, 2008.

"Highway Optimal Capital Accumulation and Induced Travel," Transportation Research Board 87th Annual Meeting, Washington, D.C., January 13-17, 2008.