Sharing research results electronically

Through CUTR’s National Center for Transit Research (NCTR), online publications and on-demand streaming presentations continue to provide a means for facilitating the sharing of research results quickly and conveniently. Available on the NCTR web site (www.nctr.usf.edu) are full text versions of completed project final reports as well as short, streaming presentations on the projects. Copies of the final reports are available for download from the site in both PDF and HTML formats. Among the recent final reports now available on the NCTR web site are:

**Updated Methodology for ADA Demand Estimates: Lessons Learned**

The current and accepted standard for determining local impacts of ADA is found in the *ADA Paratransit Handbook* published in September 1991 (UMTA-MA-060206-91-1). This methodology was developed from surveys taken in 1978 and 1987, along with 1980 U.S. Census data. The current methodology may represent the population that is potentially ADA eligible; however, it does little to assist transit agencies in determining actual paratransit demand. Additionally, transit systems now have vehicles that can accommodate many disabilities, making it pos-

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sible for many of the potential ADA-eligible population to ride fixed routes. Information regarding methodologies used to forecast ADA paratransit demand among transit agencies has been gathered to provide an understanding of certain practices and an assessment as to which methodologies are considered best practices.

Reassessing Passenger Mile Data for Transit Planning and Fund Allocation

This presentation provides information on the collection and use of passenger mile (PM) data that may be helpful to the transit industry in reconsidering the use of PM data for transit planning and fund allocation. Historically, the industry seldom uses PM data. This reluctance results largely from five perceptions that the transit industry has had about PM data: 1) determining PM is difficult; 2) determining PM is expensive; 3) PM data are unreliable; 4) using PM data in fund allocation favors transit agencies servicing longer trips; and 5) PM data are not useful beyond reporting them to the National Transit Database. The final report on this project provides evidence that these perceptions may be unfounded and presents examples of how PM has been usefully applied in the industry by both non-operating and operating agencies. By taking advantage of new data collection technologies and sampling methods, opportunities exist to productively apply PM data in transit planning.

Relationships between Business and Public Transportation

The goal of this public transportation synthesis series research was to document the positive and successful links and relationships among public transportation, the business community, and national, state and local economies. As funding for public services becomes more competitive, it is essential to maintain public support to detail the direct and indirect economic and community benefits that public transportation services provide. The final report provides an overview of the importance of public transportation in the U.S. Cost/benefit methodologies are summarized, including economic multiplier effects. A summary of public transportation systems operating in Florida with current operating and financial data is provided. Forecasts of the economic impacts and benefits that Florida public transportation systems provide are estimated.

Current streaming presentations available include:
- Gas Prices and TDM Responses: Opportunity or Chaos?
- GIS in Transit Conference Proceedings
- Bicycle Parking Innovations and Security View
- Commuter Choice Program Case Study Development and Analysis
- Developing Title VI Profile Maps for Community Impact Assessment
- Evaluation of Shared Use Park & Ride Impact on Properties
- Expanding Commuter Choice Tax Benefits
- Land Developer Participation in Providing for Bus Transit Facilities and Operations
- Synthesis of Securement Device Options and Strategies
- Telecommunications and Its Future Role in the Public Transportation Arena
- Universities and TDM: Carpool Programs
- USF Cart Safety Training Program

For more information on NCTR, contact NCTR Director Joel Volinski, (813) 974-9847, volinski@cutr.usf.edu.
Message from the NCTR Director

CUTR’s National Center for Transit Research (NCTR) has been fulfilling its mission to “enhance the performance and relevance of public transportation and alternative forms of transportation” since 1999. NCTR is the only University Transportation Center that focuses exclusively on public transportation issues in urban areas. Over 60 research projects have been completed that have provided information and solutions for operating agencies that provide public transit and promote alternatives such as ride sharing, car and van pooling, telecommuting, flex schedules, bicycling, and walking. This past year has been particularly productive, with 15 research projects being completed. The results of this research have been shared through published articles and presentations made at state and national conferences and through our website at www.nctr.usf.edu. It has been most gratifying to receive feedback from around the country on how our reports have been put to use in a variety of local settings.

NCTR faculty represent a mix of tenured professors who teach and do research and those who are dedicated solely to research, many of whom have worked within public transportation agencies in prominent positions. This provides a rich learning environment for students each year who not only receive theory and hone skills in the classroom, but also gain practical lessons from those who have served in the public transportation industry. Students contribute to the completion of research in a variety of meaningful ways. This educational and practical experience helps prepare the next generation of transportation professionals that the industry so sorely needs as the baby boom generation professionals near retirement.

While NCTR’s federal funding supports a wide variety of informational and technical assistance activities, including the Journal of Public Transportation, the TDM and Telework Clearinghouse, and the National BRT Institute, NCTR’s research activities are funded primarily through dollars provided by the Florida Department of Transportation, which has matched NCTR’s federal funds since 1999. FDOT is one of the finest departments in the U.S. for its dedication to multimodal solutions to urban transportation issues. The collaboration that exists among the CUTR faculty and the Public Transportation Office and the Office of Research at FDOT helps us develop projects that have practical value and immediate application, not only in Florida but throughout the country.

NCTR is continually expanding its methods of information-sharing through the use of new software applications that make our research more accessible to those who might not be able to travel to conferences or meetings. We have hosted a number of net meetings where all participants can view the same information from their desktops and participate fully over phone lines. Streamed videos of faculty presenting their research findings are also readily available on our website, for those who might not have time to read an entire report. Listservs with over 2,000 members are administered by NCTR faculty, allowing the flexible exchange of information among transportation experts around the country and the world. We are honored to be playing our role in helping improve transportation services and systems, and we hope you will feel free to contact us whenever you have an issue we can help solve.

Joel Volinski, NCTR Director
Introduction

In September 1999, the National Center for Transit Research (NCTR) was approved for funding by the U.S. Department of Transportation’s Research and Special Programs Administration. The NCTR program builds on the goals and philosophies of the National Urban Transit Institute, which was established at the Center for Urban Transportation Research (CUTR) at the University of South Florida in Tampa by the Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991. The theme of NCTR is “to enhance the performance and relevance of public transportation and alternative forms of transportation in urban areas.” NCTR is focusing on these modes to help promote USDOT’s strategic goals of safety, mobility, economic growth, and community sustainability. Virtually all of the projects undertaken at NCTR are, and will continue to be, dedicated to improving the ability of operating agencies (transit authorities, commuter assistance programs, transportation management associations, etc.) to provide their services in a manner that is efficient, productive, and attractive to the traveling public, and in a manner that adds value to the communities they serve.

Program Overview

Funding

NCTR has now completed its sixth year. The federal funding for this program helps to significantly expand the area of public transportation research already conducted by CUTR staff over the last 18 years. Federal funds for the program are matched with a 100 percent cash match from the Florida Department of Transportation (FDOT). The relationship between CUTR and FDOT remains strong, with FDOT remaining committed to providing this match for the duration of the program. FDOT also has designated three senior members of its management staff to serve on the NCTR Advisory Board to help select future projects and guide the program.

Advisory Committee

The NCTR Advisory Committee was created during the first six months of the program and consists of experts in the public transportation community with knowledge in the areas of public transportation research and transit planning and operations. The members and their affiliations are as follows:

Gary L. Brosch  
Chair, NCTR
Dr. Lewis Clopton  
Director of Research Management, FTA
Ed Coven  
State Transit Office Manager, FDOT
Dr. Minnie Fells-Johnson  
Gen. Mgr., (Ret.), Miami Valley RTA
Dr. Wendell Joice  
Director, Intl. Telework Assoc. & Council
Ysela Llort  
Asst. Secy., Intermodal Systems Development
FDOT
Richard Long  
Director, Office of Research, FDOT

Cal Marsella  
Gen. Mgr., Denver Regional Transit District
Perry Maull  
Past President, FPTA
Bill McCloud  
Senior Vice President & C.O.O., ATC
Jose-Luis Mesa  
Director, Miami-Dade MPO
Louis Sanders  
Director of Research and Technology, APTA
Eric Schreffler  
TDM Institute, ACT
Donna Vlasak  
Senior Program Officer, TRB
Joel Volinski  
Director, NCTR
Research

The sixth year of the NCTR program has supported 16 projects approved by the NCTR Advisory Committee. These projects consist of 6 core programs that will be conducted throughout the life of NCTR and 10 newly-selected research projects that explore methods to accomplish the goals of the Center in enhancing the performance of public transportation.

Core program areas include continued development and maintenance of:

- National Transportation Demand Management (TDM) and Telework Clearinghouse
- National Bus Rapid Transit Institute (NBRTI)
- STEP (Student Transportation Education Program)
- ongoing production of teleconferences and webcasting
- graduate student professional development
- Journal of Public Transportation

In FY 2005, in addition to projects that fall into these core program areas, research topics were solicited from public transportation professionals throughout the U.S. and Canada; more than 100 research ideas were received, and 10 were selected for funding.

Project Status

New, ongoing, and completed research projects and their principal investigators for FY 2005 are listed below.

Summary of Year 6 (FY2005) Newly-Designated NCTR Projects

- Transit Use Viability Among Older Drivers Losing Driving Privileges (Chu)
- Finding Ways to Reduce Insurance and Bonding Costs for Major Transit Projects (Brosch)
- Validating T-Best Models with 100% APC Counts (Chu)
- Repair Time Standards for Transit Vehicles, Phase III (Centeno)
- Transit Ridership, Reliability, and Retention (Perk)
- Creative Ways to Manage Paratransit Costs (Goodwill)
- The National Smart Transportation Archive Researcher (NSTAR) Program (Hendricks)
- Traveling Smart: Increasing Transit Ridership by Automatic Collection (TRAC) of Individual Travel Behavior Data and Personalized Feedback, Phase II: Testing the Impact of Personalized Feedback on Household Travel Behavior (Winters)
- Impact of Employer-Based Programs on Transit System Ridership and Transportation System Performance (Georggi)
- Benchmark Rankings for U.S. Transit Systems, Phase II (Perk)

Summary of Ongoing NCTR Projects

- Safe Operation of Low Speed Vehicles and Golf Carts (Hardin)
- Assessing the Hierarchy of Needs in Levels of Service (Perone)
- Public Transit in America: Evidence from the 2001 National Household Travel Survey (Polzin)
- Best Practices in Transit Communications Between Transit Management and Rank and File Employees (CUTR)
Education

Education continues as a core program area of NCTR and includes a variety of activities and initiatives to meet the diverse needs of various students and professionals. Student involvement in project research continues as a high priority of CUTR and the NCTR program. During the 2004-2005 program year of NCTR, graduate and undergraduate students were involved in ongoing public transportation research projects and were supported by funding from NCTR. The major areas of study of these students are multidisciplinary in nature, including engineering, economics, anthropology, business, geography, and public administration. Through research and professional experiences, NCTR helps develop well-informed, educated individuals, some of whom have gone on to work on public transportation planning and analysis, while others will carry out their career activities with a far richer understanding and appreciation of public transportation.

In the 2004-2005 academic year, a number of changes occurred in the academic programs at USF. The shift of focus to advanced degrees continues with more PhD students and fewer master’s degree students. This has had an impact on graduation rates, as a similar number of students in the program produces fewer graduates due to the longer tenure of studies. Graduate student support packages have been reevaluated to remain competitive, and the university’s tuition waiver policy has changed, providing greater university support for out-of-state students.

Job placement has remained very strong in spite of uncertainty on reauthorization of federal transportation legislation. The program continues to be proud of its placement record, with numerous students finding increasingly prestigious employment opportunities.
The following are summaries of specific core areas of the NCTR education program.

**Transportation Certificate Program**

CUTR established a new certificate program, the Transportation Systems Analysis Certificate, designed to provide an opportunity for a transportation credential for persons who have an engineering or similar technical undergraduate degree and want to enhance their skills and credentials through additional study. The certificate, offered beginning in Fall 2005, requires that the student complete 4 courses of a set of 11 courses that provide a strong transportation background. Students can complete the full certificate without having to appear for classes on campus; this enables both a broader audience and complements the schedules of professionals who want to pursue additional academic educations but need to work it in around a busy work and personal life.

**Research Experience for Undergraduates Program (REU)**

As an outgrowth of a successful NSF program, USF has implemented a Research Experience for Undergraduates program. This program is intended to expose undergraduates to research experiences earlier in their education to motivate them to remain interested in the respective topic. CUTR continues to participate in this program and graduates of this program have joined CUTR as graduate research assistants.

**Developing Interest in the Field of Public Transportation—STEP 2005**

For the fourth year, the Summer Transportation Education Program (STEP) was held at CUTR. STEP is a three-day program designed to provide students with the opportunity to learn more about careers in the field of public transportation through discussions with practicing professionals, hands-on activities, and field trips. The 2005 STEP class consisted of primarily freshmen and sophomore students in high schools from Hillsborough County. The students were introduced to public transportation career opportunities related to engineering, safety, operations, and planning, as well as many others. They visited Tampa International Airport, the Tampa Port Authority, and Hillsborough Area Regional Transit (HART). The program also placed additional emphasis on hands-on activities. Informative sessions were also part of the agenda, which provided students with information regarding transportation and the environment, bus rapid transit, and bicycle and pedestrian safety.

**Other Education Initiatives**

Several other initiatives continue to receive attention. The undergraduate course Transportation and Society, designed to introduce undergraduates from various disciplines to transportation, is offered twice annually with good participation. In January 2005, a new academic transportation faculty member whose research specialty is network modeling and analytic methods joined the USF Civil & Environmental Engineering Department. With the transitioning of the College of Engineering’s distance learning network to web-based delivery, course offerings are being marketed more aggressively to a broader audience of potential attendees.
Technology Transfer

Excellent research is of limited value if the results are not made available to as many parties as possible that might benefit from the findings. Extensive technology transfer is a key determinant of NCTR’s value. The following sections summarize specific accomplishments in the area of technology transfer by NCTR staff over the last year.

Publications and Presentations

During FY 2005, NCTR researchers were active in publishing and presenting at state and national conferences and meetings, as follows:

Publications

- Concas/Winters/Wambalaba, “Fare Pricing Elasticity, Subsidies, Demand for Vanpool Services,” TRB 84th Meeting Compendium
- Hendricks, “Results of the 2003 TMA Survey,” Transportation Research Record 1864
- Ward, “Public Health/Travel Behavior of People in Low-Income Households,” TDM Review
- Winters/Perez/Joshi/Perone, “Worksite Trip Reduction Model and Manual,” TRB 84th Meeting Compendium

Presentations

- Brosch, “Redefining Public Transportation through BRT,” US Senate Hearing
• Perk, “Quality of Service Concepts/Case Studies,” APTA Workshop on Transit Capacity; “Arterial Bus Lane Capacity,” APTA Workshop on Transit Capacity; “Quality of Service Concepts and Case Studies,” TRB 84th Meeting
• Polzin/Pendyala/Toole, “Exploration of Growth in Travel Time Expenditures,” TRB 84th Meeting
• Reep, “Innovative Technologies to Facilitate Meetings, Training, Info Outreach,” 16th Annual Research Conference
• Staes, “Rural Transit Planning and Marketing Assessment Initiative,” TRB Rural Conference
• Thole, “BRT Stations and Shelters,” APA National Conference; “BRT and Development,” University of Minnesota Public Affairs Roundtable
• Volinski, “Designing Bus Transfer Facilities for Max Transit Agency/Community Benefits,” APTA Bus Conference

Journal of Public Transportation
The Journal of Public Transportation is a respected international journal containing refereed papers on current, original research and case studies associated with public transportation and related policy issues. Topics are approached from disciplines including economics, engineering, planning, finance, and safety, and include methodological, technological, and financial perspectives, with emphasis on the identification of innovative solutions to public transportation problems. The journal has nearly 2,100 subscribers from all around the world and boasts a distinguished editorial board.
As NCTR strives to maintain excellence in reaching both academicians and practitioners, it also attempts to keep abreast of technology in the journal's distribution. Every issue of the journal is now available electronically at www.nctr.usf.edu/jpt/journalfulltext.htm and can be downloaded in its entirety or by article.

Training

During FY 2005, NCTR researchers provided the following training sessions:

Commuter Choice
- Access Management
- Bike/Pedestrian Programs
- Business-to-Business Sales and Promotions
- Support Programs/Smart Commute Strategies
- Tax Benefits
- Creative Thinking for Transportation Professionals
- Establishing Program Goals/Objectives
- Institutional Arrangements
- Intro to Basic Marketing
- Intro to Commuter Choice Program
- ITS and Traffic Management
- Marketing Campaigns & Strategies
- Measuring Performance/Creative Thinking for TDM Professionals
- Measuring Results & Performance
- Modeling Commuter Choice Impacts
- Parking Management
- Public Relations/Advertising
- Public Speaking
- Rideshare Options
- Social Marketing
- Support Programs & Smart Commute Strategies
- Telework and Compressed Workweek
- Transit Options
- Transit Service Operations
- Transportation Planning Process

CUTR
- NTD Data Collection & Reporting Seminar
- Senior Leadership for Transit Managers

FPTA
- Basics of Policy Development for Public Transit Agencies
- Complying w/FTA’s Policy on ITS Architecture Consistency
• Demonstration of GIS in Transit
• Emergency Planning & Hurricane Preparedness
• FTPN General Session
• Fundamental Concepts of Fixed Route Scheduling
• Improving Your Presentation Skills for Maintenance Trainers
• Integrating Bicycles and Transit
• Managing Negativity in the Workplace
• Relationships Among Business & Public Transportation
• Resource for Advanced Public Transportation Systems
• Strategies for Managing Paratransit Services & Costs
• Transit Marketing Workshop
• Transit Trip Planning & Its Impact on Transit Usage

Transit Training
• TSI Transit Bus System Safety
• Fundamentals of Public Transportation
• GIS for the Transit Professional
• GIS for Transit Managers
• NTI Market-based Ridership Strategies
• NTI Senior Leadership Course
• RTAP Train-the-Trainer Paratransit Driver’s Qualifications
• Stress Management, Driver Wellness, and Conflict Avoidance
• Threat & Vulnerability Analysis
• TSI Fatigue Awareness Seminar
• TSI Instructors Course in Bus Operator Training

Net Conferences
In 2005-2006, NCTR sponsored three netconferences in partnership with the Association for Commuter Transportation. To leverage NCTR’s resources, ACT chapters were enlisted to host these netconferences in their cities and invite members and non-members alike. Based on the topic, from 15 to 25 locations participated in the netconference live and attracted up to 150 “conference attendees” each.

On-Demand Streaming Presentations
On-demand streaming presentations continue to provide another means for facilitating the sharing of research results. More final reports are being turned into short, streaming presentations that can be viewed 24/7 by the public transportation professional and others. This provides a quick and convenient means for someone to hear the researcher discuss the project without the cost to travel to a conference or the time to read the full report.

Website
In addition to the netconferences and on-demand streaming presentations, NCTR provides links to 63 completed research projects in HTML and pdf formats.
Discussion Forums and Listservs

NCTR continues to see increases in the number of subscribers across the board from its public transportation-related listservs. These peer-to-peer discussion forums have attracted more than 2,700 subscribers. The listservs provide quick access to information and facilitate peer-to-peer assistance from across the country.

Help Desk for the National TDM and Telework Clearinghouse

The listserv archives contain a wealth of information that CUTR is now making more accessible via an online Help Desk. This customer relationship management application provides the enhanced communications and continual feedback loops that are central to understanding and addressing the needs of the TDM community. The purpose of initiating the Help Desk is to reduce the inquiry burden on clearinghouse staff by providing intelligent self-service options. This approach provides a means to reduce the total number of basic inquiries or repeat requests that require personal attention. NCTR’s objective is to be more cost-effective as we seek to handle more interactions by providing lower cost transactions with the Help Desk’s self-service feature.

Year 7 Research Program

NCTR recently completed the process to solicit and select research ideas for the FY 2006 (Year 7) program year. Requests for research ideas and proposals were sent to all Florida transit agency directors, MPO directors, and FDOT public transit managers. Idea requests also were sent to all public transportation-related committees of TRB, APTA committee chairs, and national listservs. From the submission of more than 100 different research ideas, the NCTR Advisory Committee provided assistance in selecting 6 core program and 11 research projects for funding in FY 2006.

Conclusion

At the completion of its sixth year, CUTR’s National Center for Transit Research continues to produce a large volume of high-quality research of practical value to public transportation agencies throughout the country. The results of the research are being effectively distributed through a variety of means, including new electronic techniques that allow fast and flexible access to the information NCTR is producing. The program is helping to cultivate the next generation of transportation professionals by providing opportunities for students who assist in the research being conducted. The vast majority of them are joining public and private sector transportation agencies upon graduation. NCTR continues to be excited about the possibilities of establishing an interdisciplinary transportation degree program that will attract even more students to the profession.

NCTR always has enjoyed a strong relationship with the Florida Department of Transportation and is leveraging UTC program funds through partnerships and contracts with non-profit foundations and the Federal Transit Administration. The research faculty and students of NCTR look forward to contributing to the rising success of public transportation agencies throughout the nation.
Kristine Williams, AICP, was recently invited by the Beijing University of Technology to conduct an Access Management Seminar in Beijing, China. Williams, who directs CUTR’s research program in Planning & Corridor Management and co-authored the *TRB Access Management Manual* (TRB 2003), was invited by Dr. Xiao Kuan Yang, a professor at Beijing UT and an alumnus of the USF College of Engineering.

The seminar took place July 11-15, 2005, for graduate students at the Beijing UT Transportation Research Center, one of China’s top three transportation research centers. Also attending were traffic engineers with the Beijing Traffic Management Bureau. The purpose of the seminar was to raise awareness of access management in China and to advance access management research at the University.

During her visit, Williams was asked to advise a core group of transportation graduate students on issues and resources relating to their current research projects. Some student projects are aimed at advancing the state of the practice, such as an analysis of median use in Beijing and a study of trip generation of Beijing’s high rise apartments. Most of the projects, however, are being conducted for the Beijing Department of Transportation to assist with planning for transportation needs, logistics and security in advance of the 2008 Summer Olympics in Beijing. The Beijing DOT is also investing millions in expanding Beijing’s Bus Rapid Transit and subway lines in advance of the Olympics.

The Beijing University of Technology Transportation Research Center has invited CUTR to enter a cooperative arrangement for continued exchange of faculty, students and expertise, and Williams is exploring how to execute such an arrangement. “I am thrilled by the prospect of exchanging ideas and expertise between USF and Beijing UT,” said Williams, a Fulbright Senior Scholar candidate and former Peace Corps volunteer. “It would be a great way for students and faculty here and in China to gain new perspectives on what are increasingly global transportation issues and challenges.”

New faculty joins CUTR

Julie Bond has joined CUTR as a Senior Research Associate specializing in Transportation Demand Management. In her new position, she will serve as Executive Director of the New North Transportation Alliance, a consortium of businesses and organizations in the University area of Tampa formed to aid in addressing mobility in that area. Prior to joining CUTR, Ms. Bond was a Regional Marketing Specialist with the Utah Transit Authority where she created, researched, developed and coordinated transportation programs aimed at decreasing traffic congestion and reducing pollution. She holds a degree in Business Administration from Southern Utah University and is active in cycling and community service.
USF offers new graduate transportation certificate

CUTR has succeeded in establishing a new graduate certificate program at USF. The Graduate Certificate in Transportation Systems Analysis is designed to provide an opportunity for a transportation credential for persons who have an engineering or similar technical undergraduate degree and want to enhance their skills and credentials through additional study.

The certificate, offered beginning in Fall 2005, requires that the student complete 4 courses of a set of 11 that provide a strong transportation background. In addition, this certificate is unique in that all the courses are offered via the Academic & Professional Engineering Excellence (APEX) program. Students can complete the full certificate without having to appear for classes on campus. This enables both a broader audience and complements the schedules of professionals who want to pursue additional academic educations but need to work it in around a busy work and personal life. CUTR and USF continue to offer the Graduate Certificate in Interdisciplinary Transportation, a program designed to provide a clear and concise foundation in planning, engineering, and economics, all vital to transportation planners. Students take 2 courses each from Civil Engineering, Economics, and Public Administration.

For further information on either certificate program, visit the APEX web site at www.apex.eng.usf.edu, or contact program coordinator Dr. Steve Polzin at (813) 974-9849, polzin@cutr.usf.edu.

2005 CUTR scholarship awarded

USF engineering student Mr. Amlan Banerjee has been awarded the 2005 Georgia Brosch Memorial Transportation Scholarship.

Mr. Banerjee is pursuing a Ph.D in Civil and Environmental Engineering (Transportation emphasis) under Dr. Ram Pendyala, with anticipated completion in 2006. He holds a bachelor’s degree in Civil Engineering (First Class with Honors) from Jadavpur University in Calcutta and a Master of Technology in Transportation Systems Engineering degree from the Indian Institute of Technology in Bombay.

Working with Dr. Pendyala, Mr. Banajee is a Graduate Research Assistant and has participated in projects on the testing and validation of TBEST software (Transit Boardings Estimating and Simulation Tools) and the development of state-of-the-art resources for Florida Travel Survey Data Collection. He has published a number of refereed journal papers and peer-reviewed conference papers and is an active paper reviewer for TRB Committee ADB10, Traveler Behavior. He currently serves as treasurer of the USF ITE Student Chapter.

The award was presented to Mr. Banarjee at the 2005 CUTR Transportation Achievement Award Dinner on October 26. The $1,000 scholarship is awarded based on academic achievement, professional activities, and career goals.
FTC Chair Jim Holton, CUTR Director Ed Mierzejewski, and CUTR Advisory Board Chair John Beck present the 2005 CUTR Transportation Achievement Award to D’Anne Mica, daughter of award recipient U.S. Congressman John L. Mica.

Florida DOT Secretary Denver Stutler was keynote speaker at the 2005 CUTR Transportation Achievement Award Dinner on October 26, 2005, which was attended by nearly 300 transportation professionals from around the state.