NCIT has had a major role in providing solutions to state and national transportation problems. The U.S. economy and safety heavily depend on transportation, and the overall effectiveness of our national transportation system can be greatly improved with an increased emphasis on intermodal connectivity and the rational utilization of all modes of transportation. Through NCIT’s efforts in research, education, and technology transfer, we are making a difference in the development of a safe and efficient national intermodal transportation system. We fund exciting research projects that result in recommendations related to transportation issues across modes. We present the results of our research at national and international conferences. We invite transportation professionals to give seminars to our faculty and students on the latest issues on intermodal transportation. We participate in the education of the next generation of transportation professionals. In short, we are trying to set the agenda for future research directions.

NCIT is funded to promote research in the development, planning, design, improvement, and assessment of a safe, secure, and efficient intermodal transportation system for passengers and freight. NCIT is currently requesting proposals for its next round of awards. We are requesting proposals from individuals whose research interests are focused on improving the efficiency and safety of the national transportation system. Visit our web site at http://ncit.msstate.edu/ to learn more about our Request for Proposals. We invite you to submit a problem statement!

Patrick Sherry, Ph.D.  
NCIT Co-Director  
University of Denver

Burak Eksioglu, Ph.D.  
NCIT Co-Director  
Mississippi State University
NCIT: Partnering in Educational Success

NCIT is committed to enhancing educational programs in transportation that incorporate the multidisciplinary nature of intermodal transportation. The activities of NCIT build upon the activities of the Intermodal Transportation Institute (ITI) at the University of Denver and the activities of the centers with transportation focuses at Mississippi State University.

ITI offers an Executive Masters Program that awards a Master of Science in Intermodal Transportation Management from the University of Denver. This graduate degree program prepares transportation industry managers for the increasingly complex, global business environment where knowledge of finance, quantitative processes, supply chain, law, and public policy issues as well as freight, passenger, and intermodal transportation operational strategies are critical management tools for success.

Students graduating from the Executive Masters Program have gone on to receive significant promotions within their respective organizations.

Cohort 1999-2000
- José Antonio Pérez Antón was promoted to Chief Executive Officer of Grupo ADO.

Cohort 1
- Shannon Brown promoted to Senior VP and Chief Human Resources Officer FedEx.
- Michael Byrne was promoted to CEO, Linfox Australia, Pty Limited.
- Bruce Denny promoted to Asst VP, Terminal Operations, with Pacer Stacktrain.
- Barbara Gilliland promoted to Principal at Parametrix Consulting in Denver.
- Adam Rodery, Director, Operational Process Improvement with Excel.
- Chris Schuleit, Vice President of the Enterprise Business Development with Hub Group.

Cohort 2
- Michael Brothers was promoted to Vice President, Intermodal Operations, at JB Hunt Transport Services, Inc., and he is responsible for the intermodal dray operations in the Southeast.
- David Leech was promoted to Vice President of US Operations, Southern Region of FedEx Express.
- Adam J. Lemarr, Manager of Intermodal Hub Operations within Norfolk Southern.
- James Price, Vice President Rail Operations, Hampton Roads Transit, Norfolk, Virginia.

Cohort 3
- Grantley Martelly, Regional General Manager, Utah Transit Authority.
- Tim E. Naylor, Manager of Service Delivery, Utah Transit Authority.
- Than Seeds, Vice President of Operations, Americas with APL.
- Ben Sullivan, Country Manager of Linfox, India.
Cohort 4
- Jeff Ashcraft was promoted to Director of Intermodal at JB Hunt Transport Services, Inc.
- Tom Hartenbach, Regional Director of Customer Service, the Hub Group.
- Jenny Johnson, Intermodal Support Services, elected to IANA Board of Directors.
- Justin Jones, Manager of Government Relations at the Utah Transit Authority (UTA).
- Christopher Kelly, Assistant Vice President Ocean Carrier Services, Pacer Stacktrain.
- Karen King was promoted to Chief Executive Officer of Golden Empire Transit District.
- Jean Krafft, Vice President of Sales at Pacer Global Logistics.
- Richard Winnall joined DHL Exel Supply Chain, based in Singapore.

Cohort 5
- Nathan Henderson was promoted to Director of Business Development, OmniTRAX.
- Michael Kaplan, Regional Vice President, Business Development for Pacer Stacktrain.
- Adrian Leach, Vice President—Retail Food & Liquor with Linfox Australia Pty Ltd.
- David Mavretic, Regional Sales Manager with Hub Group.

Cohort 6
- Rickey Childs, Director of Marine/Labor Relations at Eagle Marine Services.
- James W. Michalski, Director of Intermodal Operations at CMA CGM (America) LLC.
- Lindsay Sajdak, Senior Compliance Auditor, Revenue Accounting at TTX Company.
- Scott Schara, Assistant Vice President, Business Development at Hub Group, Inc.
- Brian Sewell, Marine Manager, Eastern Region, with APL.
- Greg Thomas, Vice President FMCG, Tobacco and Pharmaceuticals, at Linfox Australia.

Cohort 7
- Paul Hand, Director, Logistics, Safety and Training at CSX Intermodal.
- Carl Matter, General Manager Terminal Operations North Region at CSX Intermodal.
- Mike Palendat, General Manager, Terminal Operations, CSX Intermodal.
Request for Proposals

The National Center for Intermodal Transportation recently issued a request for research proposals. NCIT is funded to promote research in the development, planning, design, improvement, and assessment of a safe, secure, and efficient intermodal transportation system for passengers and freight. Priority will be given to problem statements that fall under the following research areas:

- Intermodal Policy
- Intermodal Economic Impact and Development
- Intermodal Safety and Security
- Intermodal Workforce Development
- Impact of Intermodal Transportation on Distribution System Design
- Intermodal Transportation Systems Role in Crisis Conditions

Application Procedures
The application process for NCIT funding consists of two phases. First, a Problem Statement is submitted so that the project can be pre-qualified. Projects that appear to be consistent with the theme and the goals of NCIT will then be invited to submit a Formal Proposal. Visit us at www.ncit.msstate.edu for more information.

All Problem Statements and Formal Proposals should be submitted to both NCIT co-directors:

Patrick Sherry, Ph.D.  Burak Eksioglu, Ph.D.
Co-Director, NCIT  Co- Director, NCIT
University of Denver  Mississippi State University
2450 South Vine Street  PO Box 9542
Denver CO 80208  Mississippi State MS 39762
psherry@du.edu  beksioglu@ise.msstate.edu
When NCIT was founded in 1998 as a University Transportation Center one of its goals was to serve as a major national resource for educational, research, and technology transfer activities involving intermodal transportation. In addition to serving as a resource, NCIT also had the goal of obtaining additional funds not only from the Department of Transportation but from other state and federal agencies. As a result, many of the NCIT funded projects lead to other projects funded by agencies such as the Department of Homeland Security, NASA, the Department of Agriculture, Mississippi Department of Transportation, etc. For example, the NCIT funded VITS (Virtual Intermodal Transportation System) project, a $30K project, guided the NCIT researchers to successfully secure funds for three other projects: the Alabama VITS project, the Alternate Routing project, and the Transportation Systems Modeling project.

The VITS project was motivated by the fact that available tools at the time were insufficient to provide the needed system-wide view for planning freight transportation systems based on the coordinated use of more than one mode of transportation. Many tools were either mode specific or too microscopic in scope. No comprehensive tool existed that considered the performance of the entire system. The VITS study resulted in a software that simulates the movement of freight via highways, railways, and waterways on a statewide, i.e. Mississippi, level. The expertise developed during the VITS study allowed the NCIT researcher to successfully compete in other proposals.

The first proposal resulted in a $20K award to modify the VITS model to fits the needs of Alabama. Researchers at the University of Alabama in Huntsville have later improved the original model and called it ATIM (Alabama Transportation Infrastructure Model). The VITS and ATIM have also been referenced and used by researchers at the University of Hamburg in Germany. The current project directed by NCIT researchers resulted in an award of $870K to establish the Transportation Systems Modeling Research Program. The goal of this program is the development of methodologies and software algorithms necessary for realistic simulation of pedestrian traffic at intermodal connector facilities such as airports, subway terminals, and bus stations operating under a variety of conditions ranging from normal to congested to adverse.

**Seminars, Workshops, and Conferences**

**NCIT Transportation Workshop:** NCIT, in collaboration with the Transportation Working Group at Mississippi State University, hosted the 1st Annual Transportation Workshop on February 6, 2009 on the Mississippi State Campus. The workshop featured posters from a wide range of research studies on transportation. Researchers from various departments and centers such as Industrial & Systems, Civil & Environmental, Political Science and Public Administration, History, Geo-systems Research Institute, Center for Advanced Vehicular Systems, Center for Technology and Disability, Franklin Furniture Institute presented the results of their most recent studies.
Operation Stimulus: NCIT participated in the 2009 Operation Stimulus annual transportation forum. The focus was “Global Crossroads: The Future of Transportation”. Professor Patrick Sherry, NCIT Co-Director, was an invited speaker. Dr. Sherry, along with Doug Duncan, the President of FedEx Freight, addressed “Global Trade Flow: Competing & Prospering in a Global Economy”. This event was attended by over 250 industry professionals, educators, and university and high school students. During the trade show, NCIT displayed its publications and distributed its brochure on transportation career opportunities as well as answered questions on both internships and careers in Intermodal transportation.

Intermodal Freight Transportation and the Public Planning Process:

NCIT and ITI sponsored a 2 ½ day training program called “Intermodal Freight Transportation and the Public Planning Process” aimed at educating public-sector transportation agency personnel about the synergies it has with the freight sector. This training program was held at the University of Denver, October 13-15 2008.

The program was led by Professor Michael D. Meyer, PhD, Professor of Civil Engineering at the Georgia Institute of Technology and a member of the faculty team of ITI at the University of Denver. In addition, Gil Carmichael, Founding Chairman of the ITI Board of Directors and former Federal Railroad Administrator, emphasized the importance of a public/private sector joint effort if we are to solve the nation’s existing transportation crisis. This key training program for the public-sector transportation answered questions dealing with topics such as: how public investment in the nation’s transportation system will benefit freight; what types of strategies are most effective for successful public-private-sector interests; and how to maximize an intermodal freight and passenger transportation network. Participants also heard from executives from maritime, trucking, railroads, transit, and intercity transportation on the challenges of creating a truly intermodal transportation system. A key focus of the program was on data, analysis, and modeling and using these tools for freight planning. Importantly, the program also examined strategies for developing a strategic freight investment plan and a process for incorporating freight concerns into statewide and metropolitan transportation plans.

This training program will be offered again October 2010. Additional information can be obtained at: www.du.edu/transportation or by calling 303-871-4146 or 303-871-4702. Interested parties are encouraged to register early as participation is limited to 25 attendees.
Recommendations for the Economic Stimulus Package

NCIT has recently completed a report (Transportation Policy Paper #2009-01) recommending components for the economic stimulus package. The ever deepening financial crisis, the housing bust, and corporate earnings below expectations continue to depress Wall Street and bludgeon the confidence of consumers compounding a seriously stalled economy. In response to this, the Obama transition team has indicated the need for a bold stimulus plan that will contribute to economic revitalization as well as address energy issues. In order to address both the need for an economic stimulus and to improve the transportation infrastructure we feel that a package should include the following components:

1. **Address critical needs that will contribute to long term economic competitiveness while injecting needed funds into the economy.**
2. **Prioritize projects of intermodal significance.**
3. **Create a national infrastructure commission.**
4. **Prioritize projects that reduce congestion.**
5. **Expand mass transportation.**
6. **Prioritize public private partnerships.**
7. **Increase access to airports through intermodal connections.**
8. **Reduce bottlenecks and choke points.**
9. **Intelligent transportation technology investments (ITS).**
10. **Research & scholarships to foster innovation and improve efficiency and effectiveness.**
Announcing

Infrastructure Planning and Funding in the Wake of the Regulatory Crisis

NCIT, in collaboration with the Mountain Plains Consortium (MPC) and the Minetta Transportation Institute will be hosting a two day workshop on Infrastructure Planning and Funding in the Wake of Regulatory Crisis. This workshop, which will be held on the University of Denver campus Wednesday May 27th and Thursday May 28th, 2009, will bring together leaders in the industry, government officials, academics, and policy makers.

Several distinguished leaders have agreed to speak:

- Dr. Francis P. Mulvey, Acting Chairperson, Surface Transportation Board (STB)
- Mortimer L. Downey, Chairman of the Board, PB Consult Inc. and Former United States Deputy Secretary of Transportation
- Mr. Edward Hamberger, President and CEO, Association of American Railroads (AAR)
- Mr. William W. Millar, President, American Public Transportation Association (APTA)
- Honorable Betsy Markey, US House of Representatives, Member T & I Committee (Invited)

Visit our website at [www.ncit.msstate.edu](http://www.ncit.msstate.edu) for more information.