Our Transportation Center: Looking Ahead

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Presentation to the BAC
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Strategic Vision: A Refresher

• Pre-eminent think-tank and laboratory in the world for cutting-edge research that matters on a global scale.
• Provide the premier educational program in transportation systems.
• Essential academic partner for novel, high-impact collaborative research.
• Advance state of practice industry applications through a mix of engaged application-driven research and fundamental advances.
Progress Highlights: 2011- (I)

BAC Membership
- **11** new companies, **13** new members

Sponsored Research Activity
- **Active:** 22 projects $2.22M, **10** faculty
- **Submitted:** 19 proposals, $5.71M, **10** faculty
Progress Highlights: 2010-2011 (II)

Executive Education

- 2011 – Partner with Chalmers University, Supply Chain & Management program (open to 5 BAC members)
- 2012 – Freight Transportation & Logistics – Delivering Value in a Volatile Market

International Technical Assistance

- New National Transportation Center for Ministry of Transport, Kingdom of Saudi Arabia

Outreach, Events, Public Policy

- Launched Inaugural Leon N. Moses Distinguished Lecture in Transportation
BAC: New Member Companies (I)

CRST International

The National Industrial Transportation League

Pacer International

Matson Integrated Logistics

Panama Canal Authority
BAC: Target Sectors for New Members

Shippers with significant logistics operations

International Carriers

Trucking / Logistics companies

Transportation Equipment / Systems Manufacturers

Technology Providers
BAC: New Members Here Today(I)

Michael Broaders
Vice President, Regional Field Operations Product Supply, Midwest Region

Marc Bumgarner
VP Planning & Acquisitions
BAC: New Members Here Today(I)

Ed Feeley
Managing Director

Andrew Fox
President
BAC: New Members Here Today(II)

John Smith  
*Chairman of the Board*

Jeff Starecheski  
*Vice President of Logistics Services*
Students: Our Core Mission (I)

• TC adds *value to student experience* through industry exposure, seminars by authorities in the field, travel funds for conferences, fellowship stipends—essential differentiator for recruiting top talent

• Many opportunities for *undergraduates* interested in transportation; increasing engagement in research, *internship* placement with *BAC companies*

• *Industry support is critical* to our mission and to making a Northwestern Education in Transportation the unique experience it is.
Students: Our Core Mission (II)

3  Dissertation Year Fellows (2010-11)

10  New graduate students in Fall 2011

3  Transportation & Logistics graduating seniors

17 T&L students in all classes
Students: Dissertation Year Fellows

Laurence Audenaerd (Civil & Env. Eng.)
*Bringing Short-Haul Air Down to Earth: Exploring the Trade-Space of Mode Substitution for Regional Air Passenger Transport Markets*

Guy Arie (Kellogg)
*Multi-Market Contacts in the Airline Industry: Theory and Evidence*

Yang Liu (Civil & Env. Eng.)
*Welfare Effects of Congestion Pricing on Travelers with Different Value of Time: Strategies to Enable Transportation*
Research Proposal (I)

Volvo Research and Educational Foundations

- Centre of Excellence for Managing Freight in the Urban Transport Situation
  - Northwestern Center for Urban Freight and Logistics Optimization (NUFLO) - $3,600,000 4 year program
- BAC Partners
- City Partner: Chicago
Research Proposal (II)

US Department of Transportation Center

- University Transportation Center
  - Center for Multimodal Connected Transportation Systems - $3,500,000 2 year program
- Partnership: NUTC, ITI, UIUC, UIC, UKentucky
- BAC Leadership
- Agency support

Round Lake Designs
Recent or new research engagements with BAC and other industry partners
Looking Ahead

• New faculty hire in Transportation (demand/planning/sustainability)
• Strategic additions to BAC
• Research engagement with at least two more BAC companies
• Moving forward with big initiatives – if successful
• Raising endowment for Leon N. Moses Distinguished Lecture
Closing Thoughts

• Challenging times in the transportation sector—industry, public sector

• **AT NORTHWESTERN**
  – Uniquely successful industry-engaged approach to transportation research and education

• What we do at the NUTC matters
  • BAC engagement and support critical to what we do, and how well we do it
MORE HERE
Thank you!