Transportation Center Update

• Education
• Seminars
• Research
• Policy Conferencing
• Executive education
• Going forward
Education

• Transportation & Logistics minor
• Other grad, undergrad programs & activities
• Experiential learning
  – Co-op & internships
• Placement services
Seminars

• Highlights
• Mark Rosenker, David Neeleman; Julie Hamos
• Web-distribution: outreach to BAC & world
• Sandhouse Gang
• Icarus Society
Recent Transportation Seminars

• **Mike Blaszak** - Senior Counsel, Earth Tech Inc.  *Reregulation: The Struggle for Prosperity*

• **Chris Hendrickson** - Professor of Engineering, Carnegie Mellon Univ.  
  *Construction and Management Practices on the Boston Central Artery (Big Dig) Project*

• **Kenneth P. Laberteaux** - Principal Research Engineer, Toyota Technical Center  
  *Information-Rich Vehicular Safety System*

• **Joseph A. Gustin** - Deputy Commissioner, Indiana DoT  
  *Indiana's Public-Private Transportation Initiative*

• **Aaron J. Gellman** – Professor, Transportation Center, Management & Strategy and IE/MS, Northwestern Univ.  
  *Expanding the Panama Canal*

• **James Chu** - PhD Candidate, Civil and Environmental Engineering & Transportation Center Fellow, Northwestern Univ.  
  *Dynamic Performance Models for Transportation Infrastructure Management*

• **Chandra Bhat** - Professor of Civil Engineering, Univ. of Texas  
  *Modeling Consumers’ Choice of Multiple Items Simultaneously: A Methodological Approach with Application*

• **Piyapong Jiwattanakulpaisarn** - PhD student, Centre for Transport Studies, Imperial College London  
  *Transport Infrastructure Investment and Its Effects on Employment: Theoretical Linkages, Estimation Issues,*

• **Guangming Zhang** - PhD Candidate, Industrial Engineering & Management Science and Transportation Center Fellow, Northwestern University  
  *Operational Flexibility in Drayage Vehicle Routing*

• **Martin Savelsbergh**- Professor, School of Industrial and Engineering Systems, Georgia Institute of Technology  
  *Analysis of Dispatch Policies for a Dynamic Multi-Period Routing Problem*

• **Mark Daskin** – Professor, Industrial Engineering & Management Sciences, Northwestern Univ.  
  *Supply Chain Design to Mitigate Disruption Impacts*

• **Hani S. Mahmassani** - Professor Civil & Environmental Engineering, Univ. of Maryland  
  *Real-Time Transportation Network Decision-Making: Pricing, Auctions, and Learning Dynamics*
Research Activities & Initiatives

• BAC research survey – connections & directions
  – Doug Hagestad & Matt Cuddy
  – Connect to our strengths; Backed with seed money
  – Today’s panel: a beginning

• Faculty research activities
  – Continuing joint efforts between KSM & McCormick: logistics, managing disruptions (Daskin, Chopra, others)
  – IE/MS Carry Transit study (Homem de Mello, Smilowitz, Daskin)
    • Route optimization, customer scheduling incentives
  – FHWA solicitation – 2 multi-disciplinary responses, partnerships

• Student projects (undergraduate & graduate)
  – IE/MS Ingram Barge routing study
  – Many models: summer, co-op, undergrad projects, PhD internships, PhD dissertations…
Policy Studies

- ITI-TC Congestion Conference (10/15/07)
  - Linked to BAC research priorities
  - Partner with Infrastructure Technology Institute
- Support for CREATE
- TRB transportation data initiatives
- FAA ATC policy
Executive Education

- Gellman: pricing workshop – Panama Canal Authority
- Collaboration with KSM executive programs – supply chain finance
- Pipeline management course – market opportunity?
- Others?
Going Forward

• BAC & government connections
  – Value proposition
  – Collaborations
  – Exchange visits, sabbaticals
  – Internships, co-op

• Grow transportation research
  – Broad view – students, faculty, collaborations

• Interdisciplinary focus

• Targeted staff growth

• Strategic faculty hires
  – Beyond Patterson chair