

Transportation in the 21st Century: Moving People & the Stuff We Buy

Workshop #1: Intermodal & Rail Transportation ~ March 23, 2013

Presenter: – Dr. Pasi Lautala, Director, Rail Transportation Program, Michigan Technological University
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Purpose: Introduce teachers and students to transportation planning and engineering via curricular connections to core subject areas (math, science, social studies, technology). Introduce careers in transportation.

Location: PACE Learning Center, Room 2507 Engineering Building, **Wayne State University**, 5050 Anthony Wayne Drive, Detroit, MI 48202. Parking available in nearby parking structure.

Field Trip Transportation: 1 Bus for 40 people pick up at 12:15 pm from WSU PACE Learning Center and drop off at 3 pm for \$157. (Safeway Transportation, Tel: 313-892-1350)

AGENDA

9:00 am Workshop Overview & Introductions

9:15 am *Role of Transportation In Our Economy: Various Transportation Modes For Moving Freight & People* by Dr. Pasi Lautala, Director, Rail Transportation Program, Michigan Technological University

10:30 am *Rail Transportation in the U.S. and Michigan*

<http://www.bnsf.com/customers/pdf/maps/intermodal-map-large.pdf>

- Different types of passenger and freight rail
- Intermodal (rail, truck, ship) transportation
- Why the hype about rail – efficiency, environment and safety?
- High Speed Rail in the U.S. – Mid-West projects (Detroit-Chicago and Chicago-St. Louis corridors)
- New technologies in rail transportation
- Future careers in rail transportation

11:30 am Lunch

12:15 pm Board Bus

12:30 pm Visit to Norfolk & Southern Rail facilities in Detroit

Host: David Arnovitz, Norfolk Southern Corp. Terminal Supt. Lake Div. david.arnovitz@nscorp.com
<http://www.nscorp.com/nscportal/nscorp/> and <http://www.explore-ns.com/city/index.html>

3:00 pm Return to Campus

3:15 pm Brainstorm Rail Transportation Lessons

3:45 pm Question & Answers

3:55 pm Evaluations & Closing