

# Transportation Tidbits



October 2014

## Greetings!

Hello and welcome to the October issue of the Transportation Tidbits Newsletter! This monthly newsletter is put together by NDSU Transportation and Logistics staff for graduate students and those working in the transportation field. In this issue of the newsletter you will find updates on graduate school news and recent/upcoming happenings in the transportation field. This issue also includes a variety of upcoming transportation conferences, workshops, and webinars. Please feel free to [let us know](#) if you have any questions or comments. Enjoy!

## Important Dates for NDSU Students

**10/3:** Graduate student Fall Intent to Graduate forms due

**10/3:** Last day to Withdraw to Zero Credits @ 75% refund\* (full semester classes only)

**10/15:** Late fees applied to unpaid account balances (11:59 p.m.)

**10/17:** Grades of 'Incomplete' convert to 'F'

**10/20:** 2nd half (8-week session) of Fall semester begins

## 2014 Fall Orientation

Students and faculty enjoyed a meal and time together at Fall 2014 Orientation in the NDSU Alumni Center. For more photos of orientation visit the [Mountain-Plains Consortium Facebook Page!](#)



10/27: Advising begins for Spring semester

## Recent News Updates

[Great Lakes communities get transit; with GROW AMERICA, other regions can, too](#)

[DOT's TIGER is on the prowl, solving transportation challenges nationwide](#)

[With DOT support, maritime industry leans forward on environmental stewardship](#)

[Connected vehicles promise safer, more responsive travel](#)

[Infrastructure investment summit begins to chart course toward mobilizing private capital](#)

[An important Civics lesson from Lincoln, Nebraska](#)

## UGPTI in the Spotlight

[Safety Talk - Preventing Repetitive Motion Injuries](#)

[Research Report - Traffic Modeling of Transit Oriented Development](#)

[Marketing U.S. Grain](#)

## NDSU Research Recognized at Upcoming INFORMS Annual Meeting

NDSU transportation and logistics Ph.D. students and staff will present their research at the Institute for Operations Research and Management Science (INFORMS) Annual Meeting Nov. 9-12 in San Francisco.

**EunSu Lee**, an associate research fellow for the Upper Great Plains Transportation Institute will present "Designing Service Coverage and Measuring Accessibility and Serviceability." The study proposes a novel approach to analyzing potential accessibility to ambulance services.

**Luke Holt**, a transportation planning analyst with the UGPTI and a transportation and logistics Ph.D. student, will present "Dynamic Routing Model for Large Urban Lab Collection Networks." The study presents a large-scale lab specimen collection network involving hospitals, clinics, and long-term care facilities. Holt uses a vehicle routing model to dynamically schedule vehicle routes updated in real-time from lab specimen and dispatch log requests.

**Fesseha Gebremikael**, a transportation and logistics Ph.D. student, will present "An Agriculture Feed Processing Supply Chain Modeling." This study focuses on risk management for an agricultural firm that produces and sells transformed products. A deterministic model is developed and further stochastic model is proposed.

**Yasaman Kazemi**, a transportation and logistics Ph.D. student, will present "Modeling the Petroleum Supply Chain under Disruption and Mitigation Strategies." In this research, a three echelon supply chain model for the downstream petroleum industry is proposed to study the problem of facility failures due to disruptions and select appropriate mitigation and coping strategies.

**Yong Shin Park**, a transportation and logistics Ph.D. student, will present "Life Cycle Based Environmental Impact Intensity Assessment of National Freight Transportation." In this study, the U.S. manufacturing and transportation industries' nexus will be addressed from life-cycle perspective. The main objective is to determine the environmental impact intensity scores of four major transportation modes including truck, rail, air, and water.



INFORMS is the world's largest professional society for professionals in the field of operations research, management science, and analytics. With nearly 4,000 papers presented in more than 1,000 sessions, the INFORMS meeting brings together experts from academia, industry and government to consider a broad range of operations research, management science, and analytics research and applications.

[and Oilseed by Container Report](#)

[New UGPTI office location](#)

[Infrastructure Needs: North Dakota's County, Township, & Tribal Roads and Bridges Report](#)

## Don't Miss the 19th Annual Awards Banquet

The 19th Annual Awards Banquet will be held October 16, 2014 at the Fargo Holiday Inn to honor individuals who have made significant contributions to the transportation industry in the region. The social begins at 5:30 p.m. with dinner at 6:45 p.m.



The Upper Great Plains Transportation Institute annually recognizes individuals who have made a significant and lasting contribution to transportation. The following awards are presented at the Annual Awards Banquet:

- John M. Agrey Award
- Lifetime Achievement Award
- Chairman's Award
- Special Achievement Award for Education
- Paul E.R. Abrahamson Transportation Scholarship
- Charles E. Herman Scholarship
- Transportation Engineering Scholarship

## Webinars

- There are many upcoming [webinars](#) available on the TRB website including:
  - **October 2** - [Maintenance and Operations Resilience: Improving System Management and Performance During Adverse and Extreme Weather Events](#)
  - **October 8** - [Planning and Design Considerations for Precast Concrete Pavement Implementation](#)
  - **October 9** - [Long-Term Performance and Life-Cycle Costs of Stormwater Best Management Practices](#)
  - **October 14** - [Engineering Properties and Field Performance of Warm Mix Asphalt](#)
  - **October 16** - [Successful Peer Practices for Comprehensive Training Resources](#)
  - **October 20** - [Panel Fabrication and Installation Considerations for Precast Concrete Pavement Implementation](#)
  - **October 22** - [Practical Structural Health Monitoring for Bridge Owners](#)
  - **October 23** - [Applying Scenario Methods to Transportation Planning and Policy](#)
  - **October 27** - [Effects of Warm Mix Asphalt on Plant Energy & Emissions and Worker Exposures to Respirable Fumes](#)
  - **October 29** - [Performance of WMA Technologies: Stage I - Moisture Susceptibility](#)

## Upcoming Conferences

- **European Transport Conference**
  - September 29-October 1, 2014
  - Frankfurt, Germany
- **21st National Conference on Rural Public and Intercity Bus Transportation: Setting Our Course for the Future**
  - October 26-29, 2014
  - Monterey, California
- **Shaping the New Future of Paratransit: An International Conference on Demand Responsive Transit**
  - October 29-31, 2014
  - Monterey, California
- **3rd International Conference on Connected Vehicles and Expo (ICCVE 2014)**
  - November 3-7, 2014
  - Vienna, Austria
- **2014 National Accelerated Bridge Construction (ABC) Conference**
  - December 4-5, 2014
  - Miami, Florida
- **8th University Transportation Center Spotlight Conference on the Role of Freight Transportation in Economic Competitiveness**
  - December 10-11, 2014
  - Washington, D.C.

## Workshops/ Meetings

- **International Symposium on Pavement Life Cycle Assessment 2014**
  - October 14-16, 2014
  - Davis, California
- **2015 TRB 94th Annual Meeting**
  - January 11-15, 2015
  - Washington, D.C.
- **2015 Shifting International Trade Routes Workshop**
  - January 29-30, 2015
  - Tampa, Florida

## New Student Bios



**Adam Hufnagel** is currently a master's student at NDSU seeking a degree in Transportation and Urban Systems. Originally from Franklin, PA, Hufnagel attended Edinboro University of Pennsylvania where he earned his bachelor's degree in geography. While at EUP, Hufnagel was recognized on the Dean's List in 2007, 2008, and 2009. Later he attended Appalachian State University in Boone, North Carolina where he received his master's degree in geography. During the summer of 2006, Hufnagel was an intern with the Pennsylvania Department of Transportation and became

interested in transportation planning in relation to sustainable futures. His goals for the future are to carry environmental practice knowledge into transit work and research. In his spare time Hufnagel enjoys reading, watching the Pittsburgh Pirates MLB team, and playing soccer with his family.

**Thamer Almutairi** is working on his PhD in Transportation and Logistics with concentration in Logistics and Supply Chain Systems at North Dakota State University. Previously Almutairi attended King Saud University in his hometown of Riyadh where he received his bachelor's degree of Administrative Science in Marketing. He also attended Southern New Hampshire University and earned his Master's degree in Operations and Project Management. When Almutairi was completing his master's degree he took courses in supply chain management and international supply chain management and became interested in this field of study. Almutairi enjoys watching movies, playing soccer, and spending time hanging out with friends. His research interests include supply chain management and logistics. Almutairi plans to be a top performing employee academically at a well-established university in Saudi Arabia.



[Your Body Language Shapes Who You Are](#)





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If you have items you would like to submit for our next monthly tidbits newsletter, please email Jody Wendt at [jody.wendt@ndsu.edu](mailto:jody.wendt@ndsu.edu) by the 15th of the month.

