2017 Research Workshop

November 3, 2017
McNamara Alumni Center
Ski-U-Mah Room
University of Minnesota

8:00: Check-In and Breakfast

8:15: Welcome, Introductions, Workshop Purpose and Overview

• Saif Benjaafar, Director - Initiative on the Sharing Economy (ISE)
• Laurie McGinnis, Director – Center for Transportation Studies (CTS)

8:30: Session 1 Research Presentations (Guangwen Kong, Session Chair)

• Transportation Sharing: Market-Based Policy Change – Frank Douma, Humphrey School of Public Affairs
• A Taxonomy of Contextual Trust in the Physical Sharing Economy – Haiyi Zhu, Xinyi Wang, Casey Pierce and Lionel Robert, Department of Computer Science and Engineering
• Examining the Impact of Ridehailing Services on Public Transit Use – Yash Babar and Gordon Burch, Carlson School of Management
• We Are on the Way: Analysis of On-Demand Ride-Hailing Systems – Guangwen (Crystal) Kong, Guiyin Feng and Zizhuo Wang, Department of Industrial and Systems Engineering

10:00: Break

10:30: Discovery Grant Presentations and Open Discussion with Proposers (Saif Benjaafar, Session Chair)

• Mapping Local Sharing Economy Opportunities – Tom Fisher, School of Architecture and Design
• Tournament-Based Crowdsourcing – Jason Chan, Carlson School of Management
• Analysis of Web-based Labor Platforms – Guangwen (Crystal) Kong, Department of Industrial and Systems Engineering
• Quantifying and Improving Market Efficiency in App-Based Ridesharing – Ravi Bapna, Carlson School of Management
• Discrimination on Sharing Economy Platforms – Haiyi Zhu, Department of Computer Science and Engineering
• Bikeshare Impacts on Transit Ridership– Greg Lindsey, Humphrey School of Public Affairs
• Analysis of On-Demand vs. Traditional Matching Applications – Department of Industrial and Systems Engineering
• Quantitative Analysis to Assess Impacts of AVs on Sharing Economy Markets – Alireza Khani, Department of Civil Engineering
• Coordinating Shared Experimentations in Dynamic Environments – Ankur Mani,
12:00: Lunch

1:00: Session 2 Research Presentations (Ankur Mani, Session Chair)

- Labor Platforms for On-Demand Services - Saif Benjaafar, Jian-Ya Ding and Guangwen Kong, Department of Industrial and Systems Engineering
- Quality Standards, Service Orientation, and Power in Airbnb and Couchsurfing – Haiyi Zhu, Max Klein and Benjamin Mako Hill, Department of Computer Science and Engineering
- CityLines: A Hybrid Hub-and-Spoke System for Urban Ride-Sharing Services- Yanhua Li and Zhi-Li Zhang, Department of Computer Science
- Coordinating Shared Experimentation in Dynamic Environments – Ankur Mani, Assistant Professor, Department of Industrial and Systems Engineering

2:30: Break

2:45: Session 3 Research Presentations by Emerging Scholars (Behrooz Pourghannad, Session Chair)

- Spatial On-Demand Economy Robustness: A Provider-Centric Utilization Aware Approach- Reem Ali and Shashi Shekhar, Department of Computer Science and Engineering
- Do New Bike Share Systems Increase Member Use: A Quasi-Experimental Study – Jueyu Wang, Humphrey School of Public Affairs
- Analysis of Operating Patterns of the Public Bicycling Sharing System in the Twin Cities – Tao Tao, Humphrey School of Public Affairs
- Peer to Peer Trading of Usage Quotas - Behrooz Pourghannad, Jian-Ya Ding and Saif Benjaafar, Department of Industrial and Systems Engineering

4:15: Closing Remarks (Saif Benjaafar)