

**Program Progress Performance Report
for the
New England University Transportation Center
Massachusetts Institute of Technology**

**Federal Grant DTRT13-G-UTC31
Grant Period: September 1, 2013 – September 30, 2017**

Reporting Period: April 1, 2014 - September 30, 2014

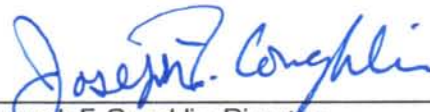
**Submitted to
US Department of Transportation
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Project Title
University Transportation Centers Program – Region 1

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REPORTING CATEGORIES

1. Accomplishments

What are the major goals of the program?

Research Goal

- To conduct research in technology applications and systems integration with related work in policy, planning and human factors that improve transportation safety as well as further our understanding and realization of livable communities to support mobility across the lifespan.
- To support peer-reviewed investigations that address safety and livability by exploring and furthering research, policy, and practice in the application of ubiquitous intelligence, use of big data, and improved human performance

Education & Workforce Goal

- To introduce transportation to all levels of education: K-12, undergraduate, graduate and continuing education.
- To place graduates into transportation fields.
- To provide current and developing methods, tools and insights to today's transportation workforce to support their capacity to build, operate and manage a safe and efficient transportation system.

Technology Transfer Goal

- To increase the awareness and level of information concerning transportation issues facing New England.
- To further our well-established technology transfer and outreach activities.
- To engage the public and private transportation sectors throughout the New England Region and the nation.

Accomplishments under these goals

NPR and Bloomberg cover UConn/New England Center research

April 2, 2014

Dr. Norman Garrick, Associate Professor of civil and environmental engineering at the University of Connecticut was interviewed by [Bloomberg Businessweek](#) regarding a forthcoming publication in the Journal of the Transportation Research Board. Entitled, "American Cities Are Haunted by Too Many Parking Spaces," it examined the economic and sociological impacts of parking trends in six U.S. cities from 1960 to 2000. NPR News also covered this publication.

UTC research paper published in Nature Climate Change

April 25, 2014

New England Center funded work authored by MIT Assistant Professor Jessika Trancik and doctoral student Morgan Edwards, suggests standard practice for measuring climate impact of energy

technology is not as accurate as it could be. The work was published online in Nature Climate Change, entitled, "Climate impacts of energy technologies depend on emissions timing". The authors explored improved methods that would consider instantaneous and cumulative climate impact.

May 2014

The Center received 35 potential research proposals and 1 potential education proposal. All research proposals are subject to our rigorous peer-review process.

Boston Globe covers Reimer at NEMPA-MIT Technology Conference

May 29, 2014

New England Center associate director Bryan Reimer was featured at the fourth annual NEMPA-MIT Technology Conference. Safer driving was the theme when a panel of automotive, governmental, and academic professionals met at MIT's Media Lab under the auspices of the New England Motor Press Association for "Engineering Safer Drivers—technology, cars, and minimizing the impacts of age, inexperience, and distraction." Distracted driving is a critical issue because of the growing volume of in-car infotainment available through connected devices and the chatty feedback from a variety of active and passive safety systems.

UTC researchers contribute to Vision Zero International

June 24, 2014

Recent findings from the New England University Transportation Center showed voice-command interfaces are placing demand on visual attention—an unexpected finding recently featured in Vision Zero International. The article, titled "Seeing voices: Recent research reveals that voice-command interfaces may demand more visual interaction with drivers than expected" was written by New England Center research scientists Jonathan Dobres, Bryan Reimer and Bruce Mehler.

June-September 2014

The peer review process for research proposals is lengthier than usual this year, due to the high number of research proposals received. This process is expected to be completed very soon, with the final funded project awards to be reported in the next Program Progress Performance Report covering the period October 1, 2014-March 31, 2015.

New England UTC sponsors Auto-UI

September 18, 2014

The New England University Transportation Center sponsored AutomotiveUI 2014 in Seattle, Washington. The Pacific NW Transportation Consortium collaborated in sponsorship with the New England Center. AutomotiveUI, the International Conference on Automotive User Interfaces and Interactive Vehicular Applications, is the premier forum for UI research in the automotive domain. AutomotiveUI brings researchers and practitioners interested in both the technical and the human aspects of in-vehicle user interfaces and applications. AutomotiveUI'14 addressed novel in-vehicle services, models of and concepts for enhancing the driver experience, driver performance and behavior, development of (semi-) autonomous driving, and the needs of different user groups.

What opportunities for training and professional development has the program provided?

Nothing to report.

How have the results been disseminated?

Nothing to report.

What do you plan to do during the next reporting period to accomplish this goal?

No change on our major goals contained within our approved Application.

2. Products

Publications, conference papers, and presentations

Nothing to report.

Website(s) or other Internet site(s)

Nothing to report.

Technologies or techniques

Nothing to report.

Inventions, patent applications, and/or licenses

Nothing to report.

Other products

Nothing to report.

3. Participants & Other Collaborating Organizations

What other organizations have been involved as partners?

Nothing to report.

Have other collaborators or contacts been involved?

Nothing to report.

4. Impact

What is the impact on the development of the principal discipline(s) of the program?

Nothing to report.

What is the impact on other disciplines?

Nothing to report.

What is the impact on the development of transportation workforce development?

Nothing to report.

What is the impact on physical, institutional, and information resources at the university or other partner institutions?

Nothing to report.

What is the impact on technology transfer?

Nothing to report.

What is the impact on society beyond science and technology?

Nothing to report.

5. CHANGES/PROBLEMS

Changes in approach and reasons for change

Nothing to report.

Actual or anticipated problems or delays and actions or plans to resolve them

Nothing to report.

Changes that have a significant impact on expenditures

Nothing to report.

Significant changes in use or care of human subjects, vertebrate animals, and/or biohazards

Nothing to report.

Change of primary performance site location from that originally proposed

Nothing to report.

Additional information regarding Products and Impacts

Nothing to report.