Southeastern Transportation Center
Regional UTC

Theme: Comprehensive Transportation Safety
STC Research Program

• 4 Large Major Research Initiatives (MRI)
  – Crash Modification Factors and the Highway Safety Manual
    • Regional CMFs
    • Socioeconomic and regional SPF
  – Integrated Simulation and Safety (Driver and Micro-simulators)
  – Exploring Socio-Demographic Characteristics in Differential Safety Performance across Geography
  – Big Data for Safety Monitoring, Assessment, and Improvement
<table>
<thead>
<tr>
<th>Project Description</th>
<th>University</th>
<th>PI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connected and Automated Vehicles: implications of partial adoption</td>
<td>UT</td>
<td>Asad Khattak</td>
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<td>Technology to improve older driver safety</td>
<td>Kentucky</td>
<td>Adam Kirk</td>
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<td>Electric bikes in bikeshare systems and big data</td>
<td>Tennessee</td>
<td>Chris Cherry</td>
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<td>Development of a connected vehicle test bed</td>
<td>Tennessee</td>
<td>Lee Han</td>
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<tr>
<td>Personal listening devices and pedestrian safety</td>
<td>North Carolina A&amp;T</td>
<td>Maranda McBride</td>
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<tr>
<td>Disaster analytics: online social media</td>
<td>Central Florida</td>
<td>Samiul Hasan</td>
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<tr>
<td>Augmented reality testbed for automated vehicles and bikes</td>
<td>Tennessee</td>
<td>Subhadeep Chakraborty</td>
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Other Notable STC Activities

SASHTO 2015 ANNUAL MEETING
NASHVILLE, TENNESSEE AUGUST 1-4, 2015
UTC Regional Research Conference - 2016

• 4th Consecutive Conference
  • 2013 – University of Florida – Orlando
  • 2014 – Georgia Tech – Atlanta
  • 2015 – University of Alabama – Birmingham
  • 2016 – University of Tennessee – Knoxville

• Selected Speakers:
  – John Schroer – Tennessee Transportation Commissioner
  – Paul Trombino III - AASHTO President and Director of Iowa DOT
  – Jurek Grabowski – Director of Research, AAA Foundation

• Special Workshop – Software tool to assess the value of ATM Strategies in a Freeway Facility Context
– Transportation Systems STEM Summer Academy for Teachers
– Summer Transportation Education Program for Ninth Graders (eVOL9)
– TRB Student Spotlight Event
Safety Engineering Education Symposium (SEES)

- Provides engineering faculty a fundamental understanding of transportation safety as a discipline.
  - Develop modular safety course
  - Slides with instructor notes
STC Safety Engineering Education Course

1. Module 1 Introduction, Course Administration
2. Module 1a History of Road Safety
3. Module 2 Crash Trends
4. Module 3-1 The Road User
5. Module 3-2 Road User Part III- Accident Analysis
6. Module 4 Highway Design
7. Module 5 Safety & Vehicle Design
8. Module 6 Statistics Review
9. Module 7-1 Highway Safety Manual
10. Module 7-2 Highway Safety Manual Applications
11. Module 8 Countermeasures
12. Module 9 Road Safety Audits
13. Module 10 Crash Data: Types, Uses & Issues
14. Module 11 The 4 E's of Road Safety

See all Modules in one PDF document.
JTSS Recently Indexed in Web of Science

Now in its eighth volume, the Journal of Transportation Safety & Security (JTSS) is indexed in the Social Sciences Citation Index (SSCI), which is one of the seven citation databases that comprise the Social Science Citation Index. This is a significant milestone in the journal's development. Papers published in JTSS will contribute to the advancement of research in the field, and will be more widely distributed and cited.

Editor-in-Chief Dr. Stephen H. Richards said, "Great news...and I must acknowledge all the people involved with JTSS, from the journal's start-up just a few years ago to this most recent recognition, for their vision, dedication, and hard work. I want to also acknowledge the
People still driving wrong way on Central Florida toll roads, but program working

Updated: Dec 14, 2016 - 6:16 PM
THANK YOU!

Sources:

- Journal indexed in SSCI - http://stc.utk.edu/STCtechtransfer/journals.html
- 2017 O&E grants awarded – see http://stc.utk.edu/STCresearch/oe_research.html
- Safety Engineering Ed Course available to download - http://stc.utk.edu/STCeducation/sees-course.html