

# 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 SPFs
  - 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



2017 O&E Grants	University	PI
Connected and Automated Vehicles: implications of partial adoption	UT	Asad Khattak
Technology to improve older driver safety	Kentucky	Adam Kirk
Electric bikes in bikeshare systems and big data	Tennessee	Chris Cherry
Development of a connected vehicle test bed	Tennessee	Lee Han
Personal listening devices and pedestrian safety	North Carolina A&T	Maranda McBride
Disaster analytics: online social media	Central Florida	Samiul Hasan
Augmented reality testbed for automated vehicles and bikes	Tennessee	Subhadeep Chakraborty



# Other Notable STC Activities



Home	Annual Meetings	Members	Issues	About
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- 2016 WV
- 2015 TN
- 2014 LA
- 2013 NC
- 2012 SC
- 2011 KY
- 2010 AR
- 2009 MS
- 2008 FL
- 2007 AL
- 2006 GA



**SASHTO 2015 ANNUAL MEETING  
NASHVILLE, TENNESSEE AUGUST 1-4, 2105**



## UTC Regional Research Conference - 2016

- 4<sup>th</sup> 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

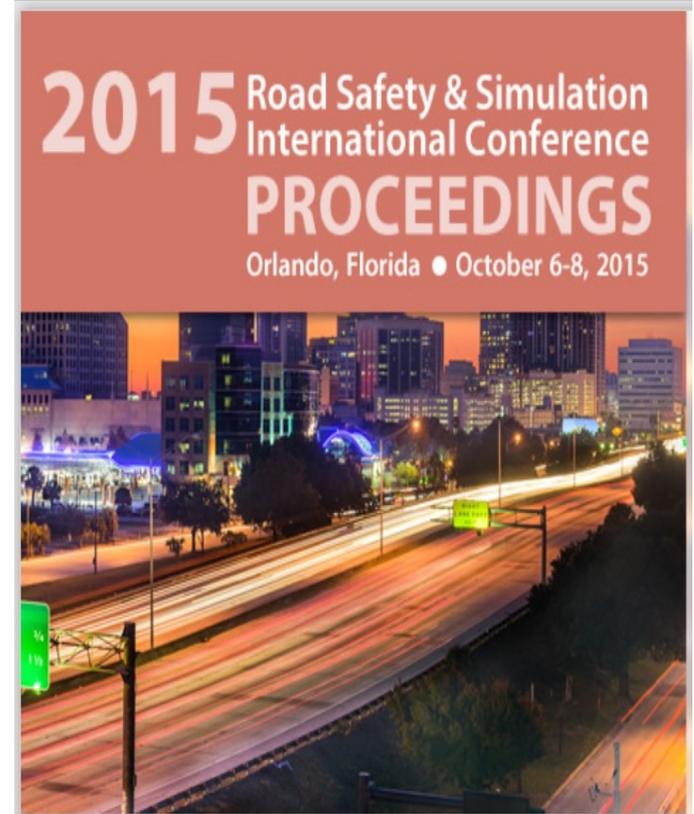


- Transportation Systems STEM Summer Academy for Teachers
- Summer Transportation Education Program for Ninth Graders (eVOL9)
- TRB Student Spotlight Event



## 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

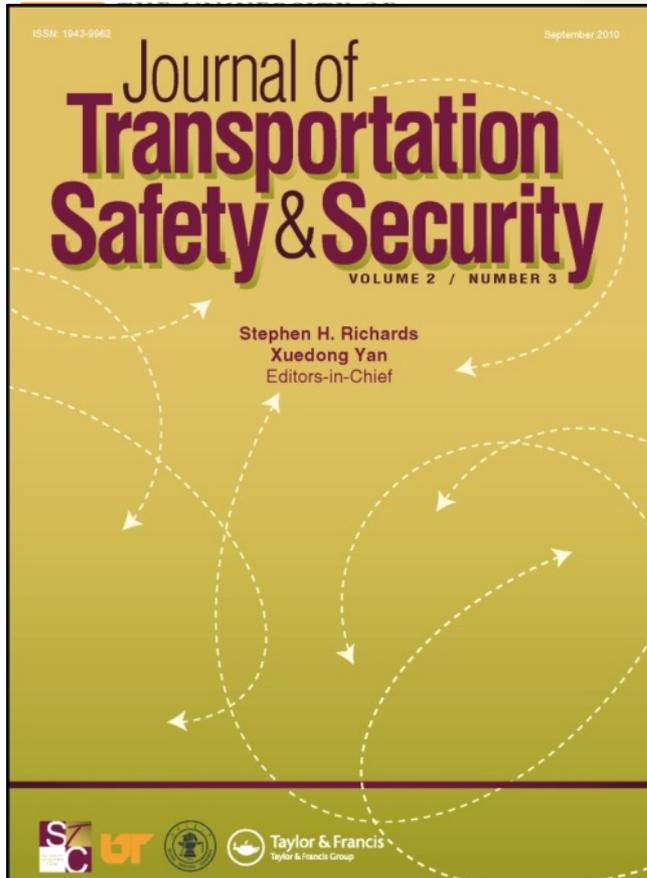


# STC Safety Engineering Education Course

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- Applications
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
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.





Southeastern Transportation Center

## *Journals Associated with STC*

### **Journal of Transportation Safety & Security**

#### **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 Sciences Citation Index Expanded (SSCI). This is a significant milestone in the journal's development. Papers published in the journal are now more widely distributed and cited, and will be more widely distributed and cited.

Editor-in-Chief Dr. Stephen H. Richards said, "Great news...and I must acknowledge all the support I have received from the institutions I have been 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 support of the journal's readers and authors."



# People still driving wrong way on Central Florida toll roads, but program working

Updated: Dec 14, 2016 - 6:16 PM



17th Annual  
**Spring Fever in the Garden**  
Bloom & Grow  
Garden Society  
DOWNTOWN WINTER GARDEN  
Free Admission & Free Parking  
Sat. April 8th 9-5  
Sun. April 9th 11-4

 People still driving wrong way on Central Florida toll roads, but...

 Storms, cold front expected for Central Florida this week



# 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](http://stc.utk.edu/STCresearch/oe_research.html)
- Safety Engineering Ed Course available to download - <http://stc.utk.edu/STCeducation/sees-course.html>

