

SAFETY THROUGH DISRUPTION (SAFED): GOAL ZERO NATIONAL UNIVERSITY TRANSPORTATION CENTER

Vision

A nation with a systemically safe transportation system

Mission

Proactively promote safety through a data-driven collaboration among the nation's brightest researchers

Stakeholder
Advisory
Board

Google
Lyft
CaMP
Bosch
FHWA
AASHTO
NHTSA
ITS America
Intel
3M

Leadership Team



Zac R. Doerzaph, PhD
Executive Director



Susan Chrysler, PhD
Associate Director, TTI



Sahar Machiani, PhD
Associate Director, SDSU

Research Team



VirginiaTech®
Transportation Institute



SAN DIEGO STATE
UNIVERSITY

Coordination Resource Team

Education & Workforce Development
Technology Transfer

- 4 core disruptive technologies
- 8 application areas
- Will be reviewed and updated by advisory board annually



Initial Research Projects

Research Project Title	PIs (lead highlighted)
Implications of Truck Platoons for Roadside and Vehicle Safety Hardware	Chiara Dobrovolny (TTI)
	Costin Untariou (VTTI)
Countermeasures to Detect and Combat Driver Inattention While Driving Partially Automated Systems	Tom Ferris (TTI/TAMU)
	Miao Song (VTTI)
New Safety Data Analysis Methods in an Era of Big Data	Dominique Lord (TTI/TAMU)
	Feng Guo (VTTI)
	Arash Jahangiri (SDSU)
Child Occupant Protection Issues in a Future where Transportation is a Service	Justin Owens (VTTI)
	Katie Womack (TTI)
Driver Training for Automated and Connected Vehicle Technology	Michael Manser (TTI)
	Charlie Klauer (VTTI)
	Sahar Machiani (SDSU)
Preparing Work Zones for Automated and Connected Vehicle	Jerry Ullman (TTI)
	Mike Mollenhauer (VTTI)
	Terry Yang (SDSU)
Using Big Data to Improve Planning for Pedestrian and Bicyclists Safety	Arash Jahangiri (SDSU)
	Justin Owens (VTTI)

UTC Project Activities

- Research
- Education and Workforce Development
- Tech Transfer

- VTTI has coordinators for Education and Tech Transfer to ensure each project fulfills these activities
- Calls for Proposals open now for projects to begin in May or August - **applications due March 16**
- Second call October 2017 for projects to begin Aug 2018 to allow grad student recruiting
- Summer Undergraduate Research Intern program in 2017 – **Applications due March 31**

TTI Safe-D Team

Susan T. Chrysler, Ph.D. PMP

Associate Director Safe-D University Transportation Center

979-845-4443

s-chrysler@tti.tamu.edu

Marcia Walker, CRA, CFRA

Program Coordinator

979-458-0373

M-Walker@tti.tamu.edu

Melissa Tooley, Ph.D.

Special Advisor to UTC programs

979-845-8545

M-tooley@tti.tamu.edu

Main Safe-D Center Website hosted by VTTI

<http://www.vtti.vt.edu/utc/safe-d/>

Overall UTC Federal Program information

<https://www.transportation.gov/utc>

Or utc.dot.gov