# 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





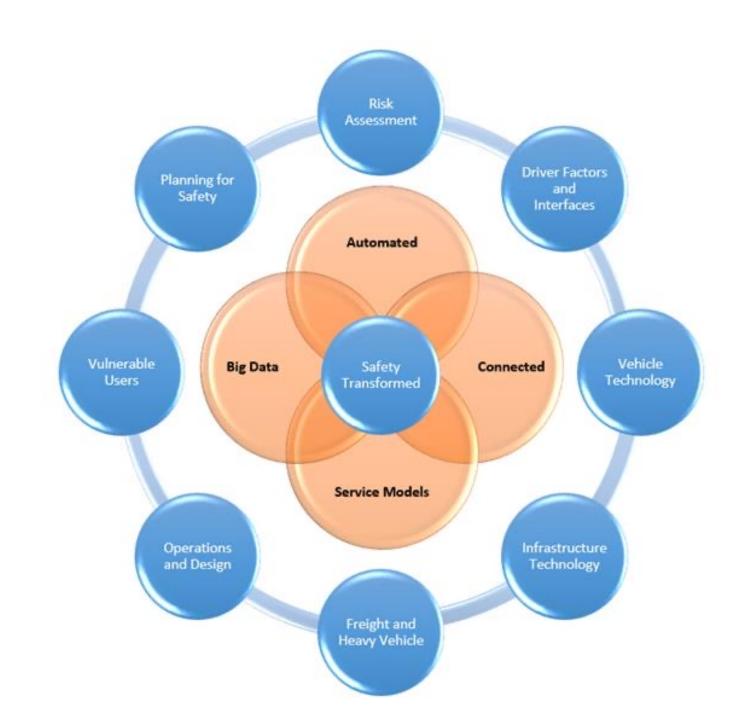


Coordination Resource Team

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	Tom Ferris (TTI/TAMU)
Automated Systems	
	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)
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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)
Osing Dig Data to improve rialling for redestrial and Dicyclists Safety	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

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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