

Traffic Safety and Human Factors (TSHF)



Expert Task Group (ETG) Members

Name	Organization	Title
Tanmoy Bhowmik	Portland State University	Assistant Professor*
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* University members of ETGs provide expertise on the feasibility of research projects. Their participation on ETGs is non-voting, to avoid a real or perceived a conflict of interest.

Research Priorities

The Transportation Safety and Human Factors (TSHF) ETG deals with research on safety issues related to roadway design and operation and road user behavior. This group is interested in traffic safety research topics that utilize the safe systems interventions. The following is a partial list of research topics the Traffic Safety and Human Factors Expert Task Group (ETG) has specific interest in examining for funding:

Topics

- **Safer Roadway Design** - Research on speed zone transitions, efficient traffic calming, effective roadway geometry, and meaningful clear zone requirements.
- **Implementation of Systemic Safety Analysis Methods** – Estimating and calibrating safety performance functions from the Highway Safety Manual.
- **Safer Traffic Control Devices** – Investigations into traffic control devices, proper application of traffic controls, human factors relating to use of traffic controls and improved compliance of traffic controls.
- **Safety Data and Analysis** – Investigations into safety data quality and accuracy, data analysis tools, and current and emerging data and analysis practices.
- **Driver Information and Continuing Education** - Effective use of media and enforcement to educate drivers in aspects of driving safety and providing drivers with information relevant to their safety choices.
- **Reducing the Number of Unsafe Drivers on Oregon Roads** - Research to support the identification and mitigation of unsafe drivers, including those who drive while under the influence of alcohol or drugs, those who have medical impairments, those who drive in an unsafe manner, and those who do not have the necessary skills or experience to drive safely.

