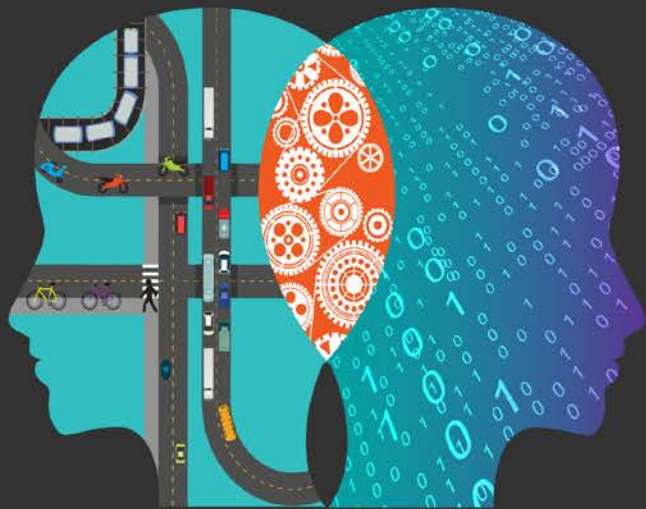


HOW DO YOU SEE SAFETY?

Solving for Safety Visualization Challenge



Challenge Connections Webinar

June 26, 2018 | 1 - 2:30 PM EST

Contact: solve4safety@dot.gov

Visit: transportation.gov/solve4safety

Engage: [#solve4safety](https://twitter.com/solve4safety)

HOUSEKEEPING

AUDIO OPTIONS

Audio Number: 1-866-390-1828

Access Code: 6499380#

TO ASK A QUESTION

Please use the chat pod to ask questions throughout the webinar.

AGENDA

- Challenge Mechanics Recap
- Questions & Answers
- Challenge Connections



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CHALLENGE MECHANICS

Recap of webinar on June 19, 2018



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The Challenge



Select an [ANALYTICAL VISUALIZATION TOOL](#) to develop:

- Discover Insights Tool
- Simulation Tool



Address one or more of the priority [SAFETY FOCUS AREAS](#):

- Conflict Points Impacts
- High Risk Factors
- Vulnerable System Users



Design for a [USER](#):

- Policy makers and influencers
- Providers/Operators
- Public



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Select an ANALYTICAL VISUALIZATION TOOL to develop:



Discover Insights Tool

- Analyze data to reveal patterns and trends
- Use compelling visualizations to explain what is happening
- Understand the meaning behind the data and draw conclusions

Scenario Analysis Tool

- Assist in decision-making by visualizing data, allows users to visualize outputs of existing model simulations and scenarios
- Identify issues, determine correlations, and assign probabilities
- Highlight different conditions and results of sensitivity and parametric analysis to visually assist in decision-making



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Address one or more of the priority SAFETY FOCUS AREAS*:



Vulnerable System Users

- Pedestrians
- Cyclists
- Motorcyclists
- Persons with disabilities
- Persons with declining vision and hearing

High Risk Factors

- Impaired drivers
- Drowsy drivers
- Older drivers
- Speeding drivers

Conflict Points Impacts

- Road intersections
- Rail grade crossings

*Note: Examples given for each focus area are not exhaustive.



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Design for a USER:



Policy Makers & Influencers

- Incentivize/disincentivize transportation system developments
- Address needs using personnel, funding, or laws and regulations

Providers/Operators

- Design equipment and facilities
- Evaluate safety effectiveness
- Develop operations, countermeasures and techniques

Public

- Use, rely on, and fund the transportation system
- Interest in protecting themselves and others in the community



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Judging Criteria

A judging panel of cross-functional technical experts and senior level staff will select finalists and award prizes.

Stage I: Ideation

- Insights/Simulation
- Data
- Benefits
- Technology
- Cost to Implement

Stage II: Concept

- Technical Approach
- Design and Desirability
- Analytical Depth
- Technology Transfer
- Readiness Level
- Feasibility
- Scalability
- Team

Stage III: Tool

- Quality of Methods
- Sustainability
- Functionality and Technical Effectiveness
- Expected Return on Investment



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Prizes



Stage I: Ideation

Solvers develop ideations. Four Stage I finalists will be invited to develop their ideations into proofs of concept and compete for a cash prize.



Stage II: Concept

\$100,000

Four finalists develop ideations into proofs of concept and compete for part of a \$100,000 prize purse. Two of the finalists advance to Stage III.



Stage III: Tool

\$250,000

Two semi-finalists develop proofs of concepts into working tools and compete for a \$250,000 prize purse, with each receiving a minimum of \$50,000.



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Challenge Mechanics Webinar

June 19, 2018

Learn more about the Challenge

Ideation Due

July 31, 2018

Proof of Concept Due

October 2018

Working Tool Due, Prizes Awarded, & Recognition

December 2018 - January 2019

Two finalists awarded part of a \$250,000 prize purse, with each receiving a minimum of \$50,000

Challenge Opens

June 14, 2018

Solvers develop ideations

Challenge Connections Webinar

June 26, 2018

Solver-Innovation Agent relationship building and Solver team building

Ideation Prizes Awarded & Proof of Concept Competitors Announced

August 2018

Four semi-finalists advance to Stage II, developing ideations into proofs of concept

Proof of Concept Prizes Awarded & Working Tool Competitors Announced

Late October 2018

Four semi-finalists awarded part of a \$100,000 prize purse. Two semi-finalists advance to Stage III, developing proofs of concepts into working tools



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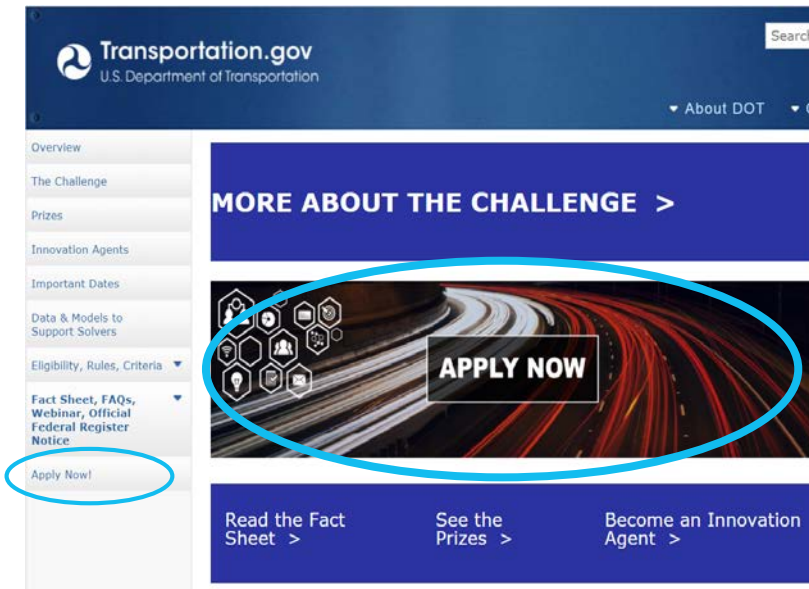
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Solvers



The Challenge is open to Solvers in the United States or US territory, including:

- Business and Research Communities
- Technology Companies
- Analytics Firms
- Transportation Carriers
- Industry Associations
- Research Institutions
- Universities
- Mapping and Visualization Providers
- Individuals

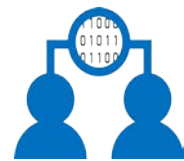


THE CHALLENGE IS OPEN!
Submit your Ideation as a Solver:
www.transportation.gov/solve4safety



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Solving for Safety Visualization Challenge



Innovation Agents

Innovation Agents are companies and organizations interested in providing real world knowledge, guidance, insight, issues, and data to Solvers, especially those new to the transportation safety space.

Technical Assistance Innovation Agents - provide interested Solvers with knowledge, guidance, insight and issues related to transportation safety

Data Innovation Agents - provide interested Solvers with access to data or analytic techniques that can be used in the analytical visualization tools

Transportation.gov
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Overview and Data.

The Challenge

Prizes

June 26 Webinar on Innovation Agents

Innovation Agents

Important Dates

Data & Models to Support Solvers

Eligibility, Rules, Criteria

Fact Sheet, FAQs, Federal Register Notices

Apply Now!

Technical Assistance (T.A.) Innovation Agents can provide interested Solvers with knowledge, guidance, insight and issues related to transportation safety. T.A. Innovation Agents may be able to provide technical assistance related to key safety issues impacting their members or employees, transportation safety techniques, transportation system characteristics, users and operations, approaches from other industries and sectors.

Data Innovation Agents can provide interested Solvers with access to data or analytic techniques that can be used in the analytical visualization tools. Use of a wide variety of disparate data is encouraged to gain insights into reducing fatalities and serious injuries on the U.S. road and rail systems.

Innovation Agents may register their support throughout the Challenge. The Challenge will host a webinar on June 26, 2018, to facilitate Solver-Innovation Agent relationship building.

OUR INNOVATION AGENTS ARE VISUALIZING REAL SOLUTIONS

INNOVATE WITH US

Read the Fact Sheet >

See the Prizes >

Become an Innovation Agent >

THE CHALLENGE IS OPEN!
Register your support as an Innovation Agent:
www.transportation.gov/solve4safety



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QUESTIONS & ANSWERS

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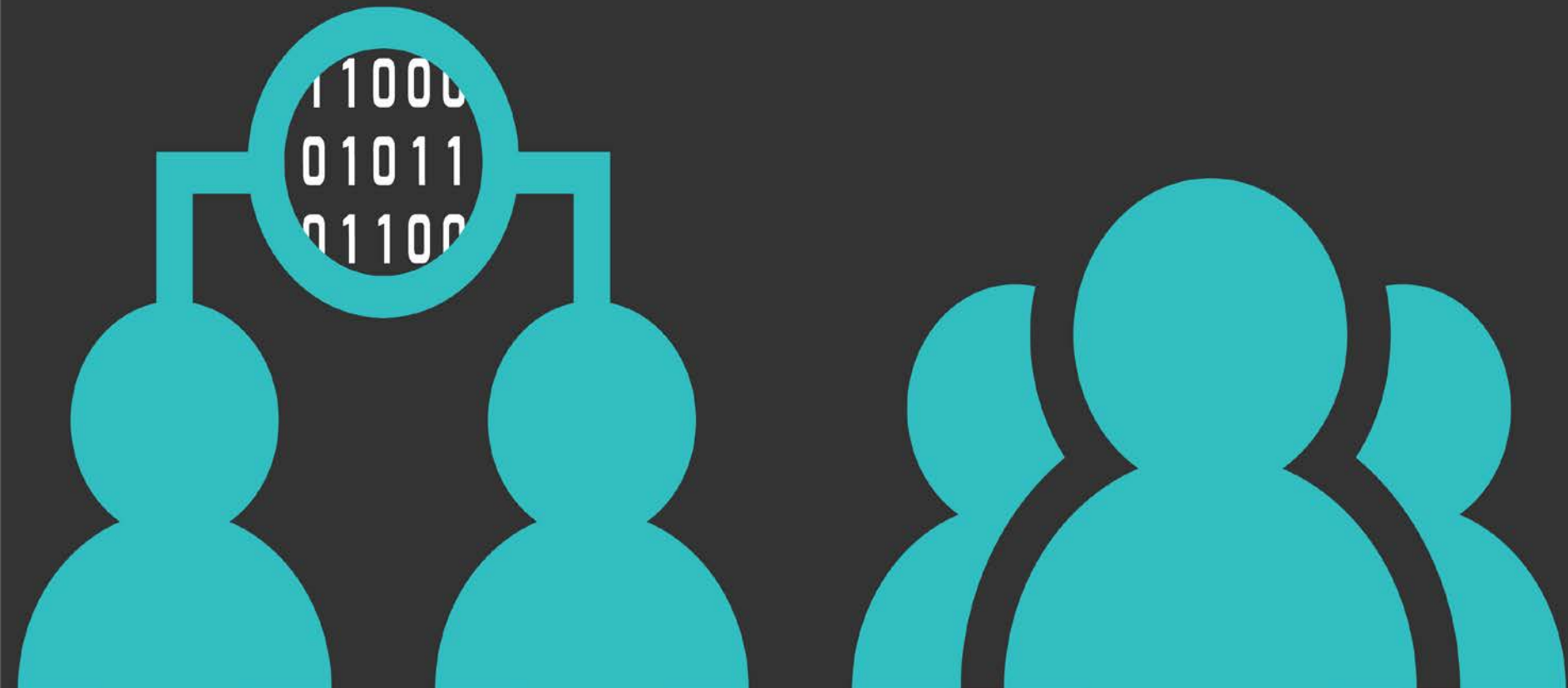


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CHALLENGE CONNECTIONS

Solver-Innovation Agent Relationship Building & Solver Team Building

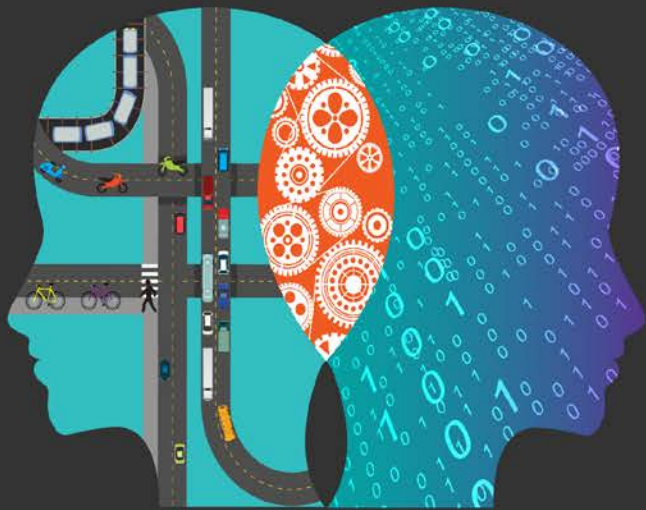


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BECOME PART OF THE SOLUTION!

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