June – September 2023

Call for Participation

IEEE ITSS Student Competition in Pedestrian Behavior Prediction

Background: Pedestrian behavior prediction is one of the most critical challenges for fully automated driving in urban settings, as it requires autonomous vehicles to interact safely and efficiently with pedestrians in diverse and dynamic environments. Accurate and robust pedestrian behavior prediction is crucial to ensure the safety of both pedestrians and the autonomous vehicles.

Competition Tasks:

- Pedestrian Intent Prediction (PIP)
- Pedestrian Trajectory Prediction (PTP)
- Driver Decision Prediction (DDP)

PIP aims to predict the intention of a pedestrian crossing a street, such as whether they intend to cross or stop.

PTP aims to predict the future trajectory of the pedestrian, given the pedestrian's current position and intention.

DDP aims to predict the decision of the autonomous vehicle, given the pedestrian's intent and trajectory, to ensure safe and efficient interactions.

Qualification:
We welcome competitors from all round the world. The leading attendee must be a student, graduate student or undergraduate student. Each team can join more than one track. Please check more details in the below website.

Three Winners for Each Track

First Prize: USD 2,000

Second Prize: USD 1,000

Third Prize: USD 500

Sponsor: IEEE Intelligent Transportation Systems Society, Technical Committee on Human-Centered AI in Transportation (HAIT)

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For more information, please visit the competition webpage: http://pedestriandataset.situated-intent.net/
Contact Email: psi.intent.benchmark@gmail.com