NGI EXPLORERS

CHALLENGE #26
CUE-TRAN-01

Intelligent Algorithms and/or Systems for the Control of Intelligent Transportation Systems

Meet the expectations of this US Node through the technology challenge described below

APPLY NOW

GOALS

The goal is to investigate how artificial intelligence and machine learning methods can be harnessed to design control or optimization algorithms that optimize the performance of intelligent transportation systems (ITS). In ITS, we might have access to real-time data from sensors that measure traffic flow, congestion per road, average speeds, dynamic tolls, etc. The goal is to harness this information to control and/or optimize the performance of the ITS by manipulating and/or controlling systems/signals such as traffic lights, dynamic tolls, allocation of autonomous vehicles, etc.

DETAILS

The main objective of this challenge is to generate new technologies advances that will improve the performance of societal systems such as ITS by harnessing recent technologies and algorithms.

SKILLS REQUIRED

Solid mathematical background, and basic knowledge and/or experience in transportation systems.

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