

ICML 2025

RobustLight: Improving Robustness via Diffusion Reinforcement Learning for Traffic Signal Control

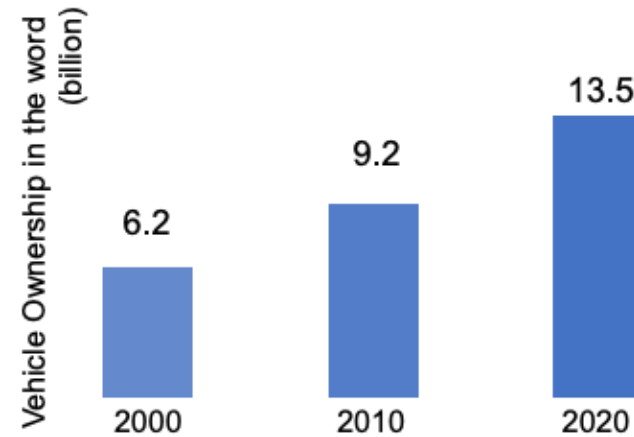
by:

Mingyuan Li, Jiahao Wang, Guangsheng Yu, Xu Wang, Qianrun Chen, Wei
Ni, Lixiang Li, Haipeng Peng

(Beijing University of Posts and Telecommunications, University of Technology Sydney, Lanzhou University)

BackGround

Urban population and vehicle ownership have dramatically increased, posing challenges to regulating road traffic

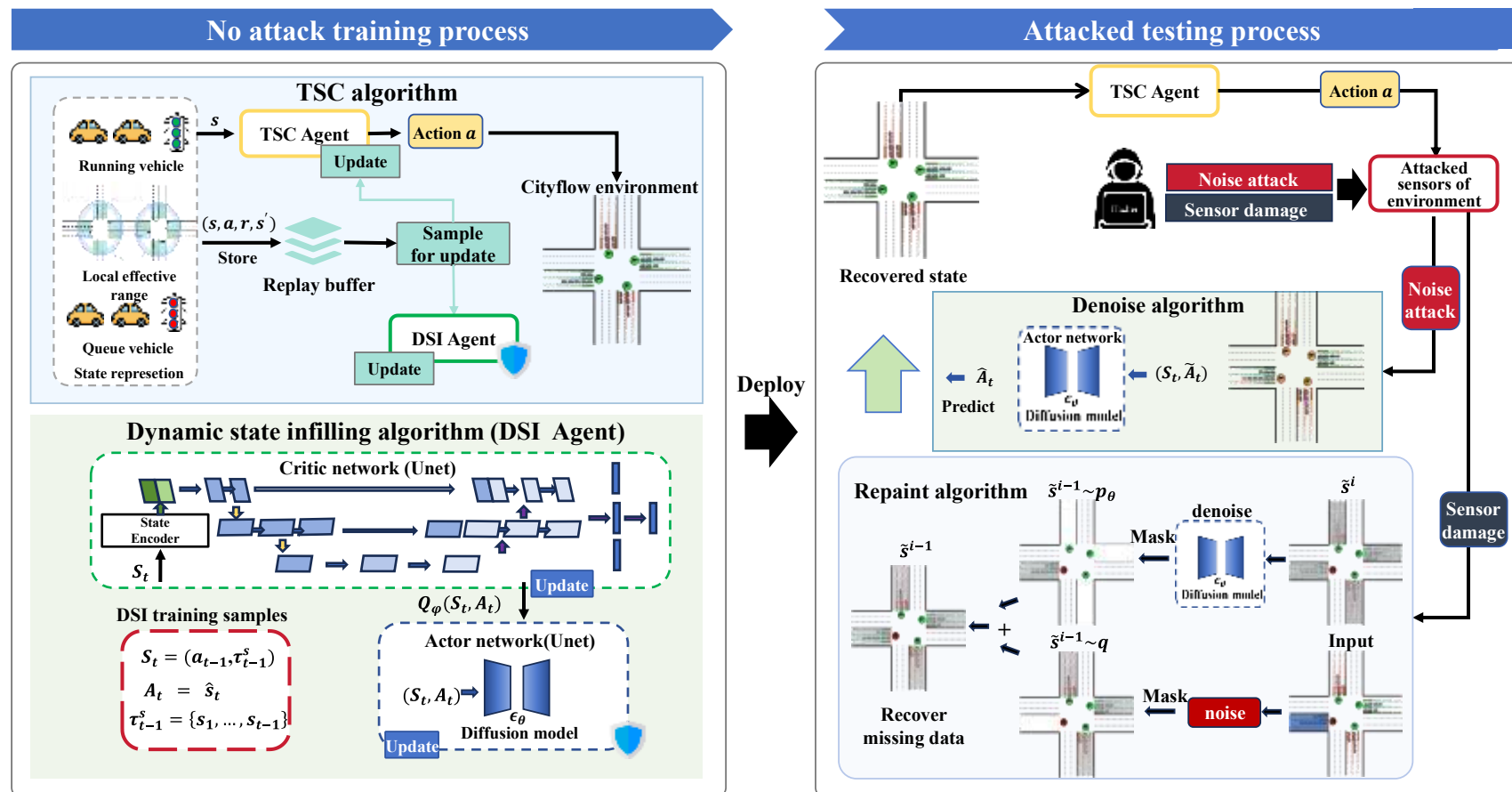


The vehicles are increasing in the world



Traffic congestion is getting worse in big cities

Method



THANK YOU