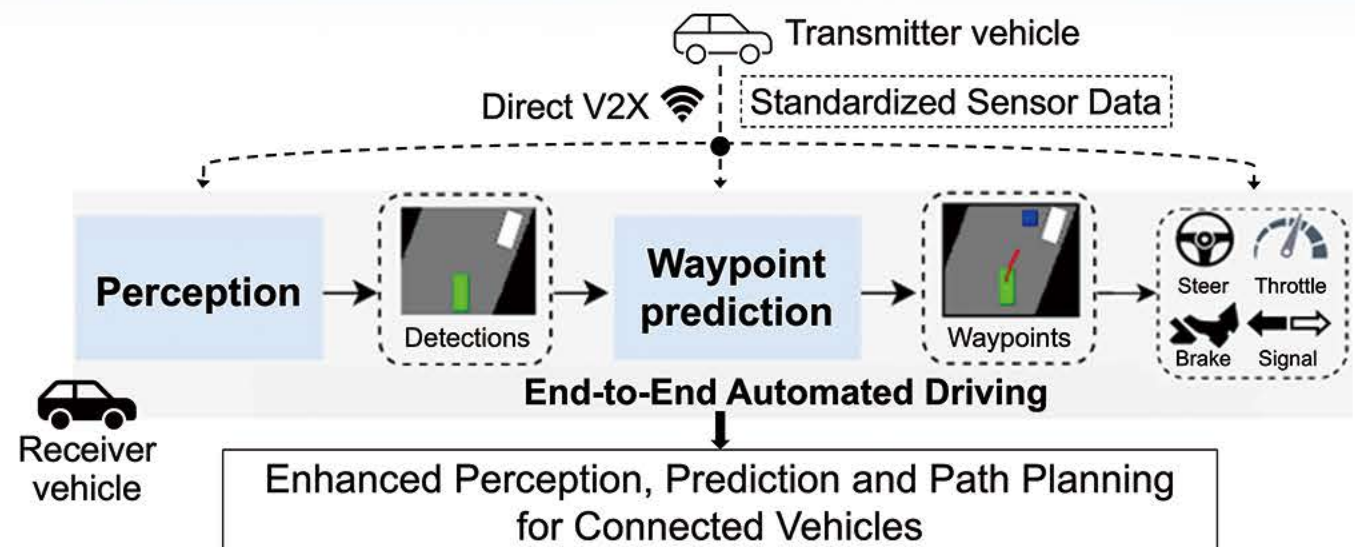


Enhancing Driving Decisions Through Cooperative Perception

Background

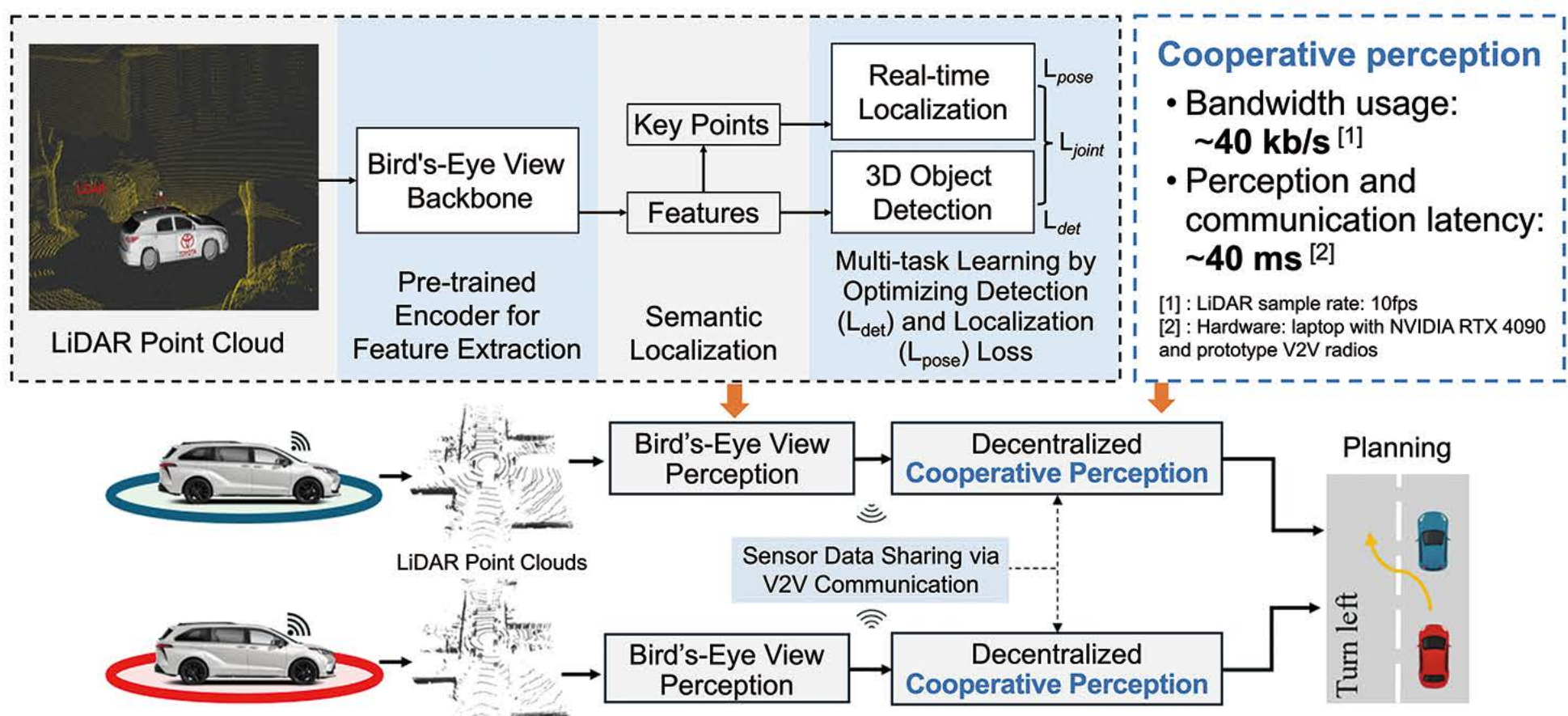
Develop cooperative perception using V2X communication to enhance perception, prediction, and path planning capabilities in automated driving.

- Generate datasets tailored for multi-agent, multi-task driving scenarios.
- Efficient sensor data sharing to enhance vehicle's automated driving performance.



Technology & Service

- LiDAR-based **Multi-Task Bird's-Eye View Perception** model for accurate objects detections and vehicle localization.
- Standardized sensor data sharing over V2V communication to enable decentralized **Cooperative Perception**.
- Designed for scenarios without central coordinator, improving situational awareness for cooperative automated driving.



Future Action

- Enable cooperative perception across various radio communication technologies.
- Integrate camera-based perception into the cooperative platform.