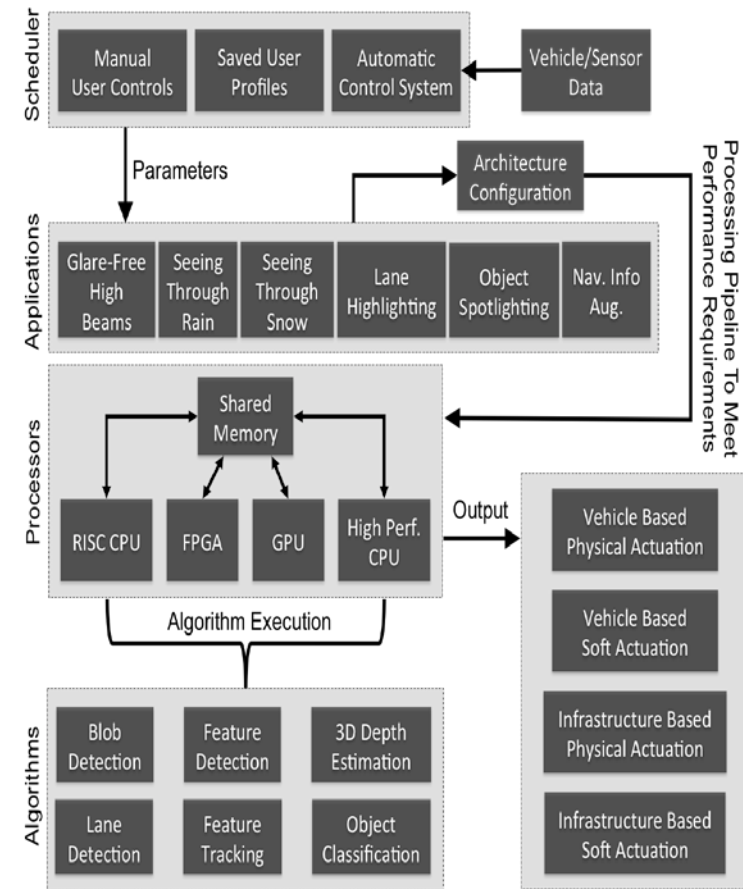
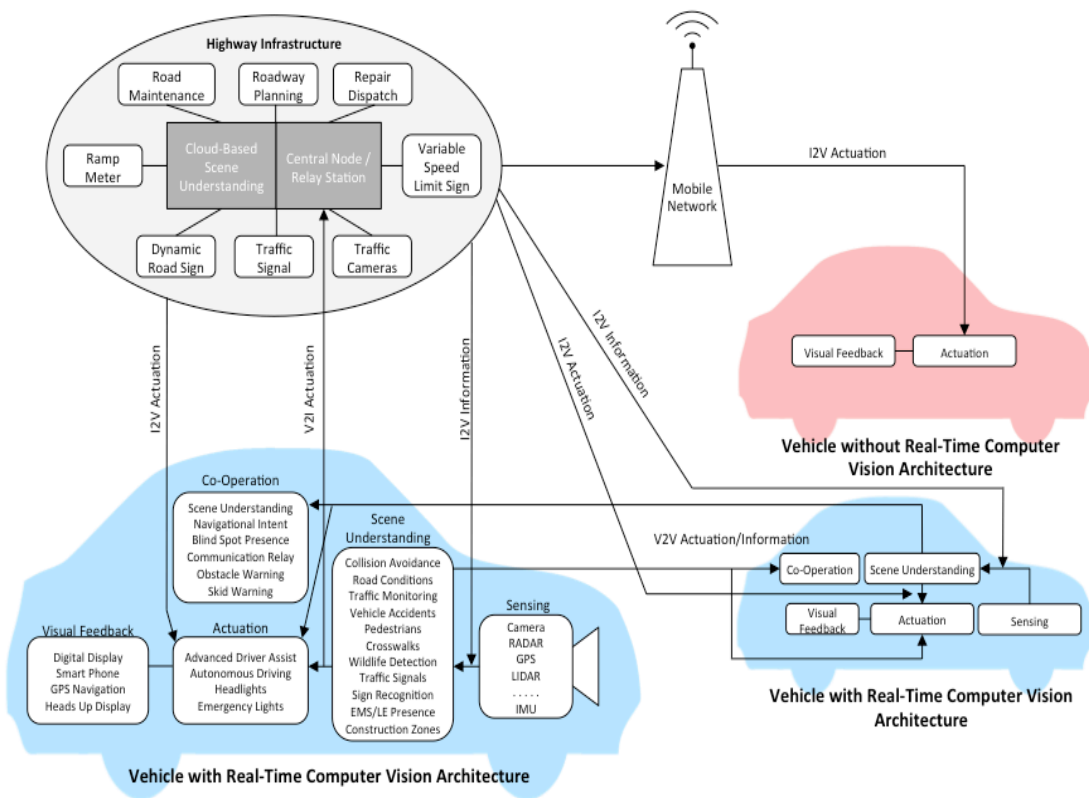




TTP: Synergy: Anytime Visual Scene Understanding for Heterogeneous and Distributed CPS

- S. Narasimhan, M. Hebert, D. Bagnell, A. Rowe, J. Hoe, C. Mertz
- Carnegie Mellon University
- srinivas@cs.cmu.edu
- CNS-1446601

Anytime Distributed Visual-CPS



GOAL: Anytime Visual Scene Understanding in a Heterogeneous Distributed CPS.

Synergy: Combining Computer Vision, Machine Learning, Embedded Computing.

TTP: Intelligent V2V, V2I, Traffic Monitoring, Smart Headlights, Infrastructure Monitoring

Findings



Eliminate Glare



Enhance Visibility in Snow Storms



Spotlight Hazards



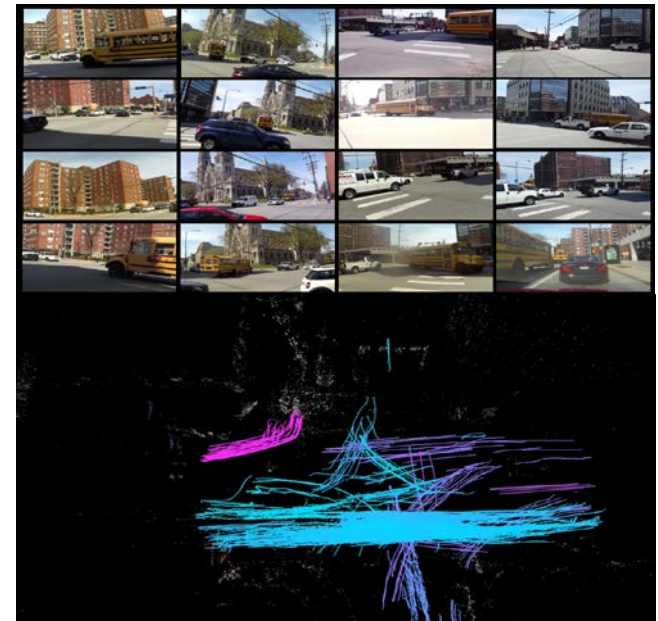
Better Road and Driving Lane Definition



Digital Crosswalks



Digital Navigation

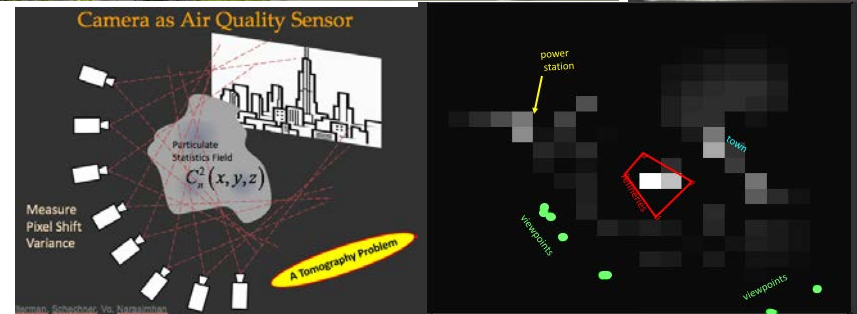


InVehicleCPS: Smart Headlights for Safe Driving

12V CPS: 3D data from Infrastructure Camera Network to Vehicle



SPINOFF (TTP): Roadbotics for Road infrastructure monitoring



Visual Tomography of Air Quality