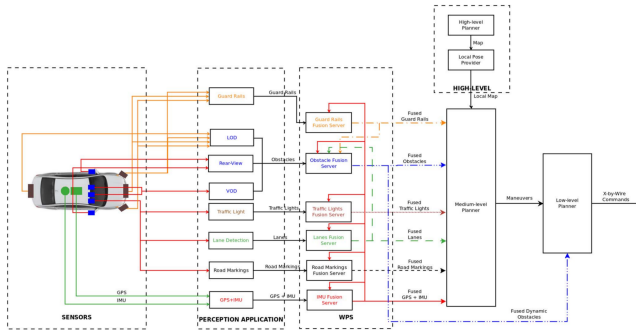


PROUDPublic Road Urban Driverless-Car Test

A. Broggi, P. Cerri, S. Debatisti, M. C. Laghi, P. Medici, D. Molinari, M. Pancioli, and A. Prioletti (TITS 2015)



- ▶ An autonomous driving test on urban roads and freeways open to regular traffic
- ▶ Moving in a mapped and familiar scenario with the addition of the position of pedestrian crossings, traffic lights, and guard rails
- ▶ Real-time perception of the world for static and dynamic obstacles
- ▶ No need for precise 3D maps or world reconstruction
- ▶ Details about the vehicle, and main layers: perception, planning, and control
- ▶ Complex driving scenarios including roundabouts, junctions, pedestrian crossings, freeway junctions, and traffic lights