Supervisor	Shunsuke Kamijo Assoc. Professor	Lab. Location	Institute of Industrial Science	Research Area	Applied Multimedia

Our Lab. has motivation to improve mobility and location services by various sensor fusions.

http://kmj.iis.u-tokyo.ac.jp/

・Autonomous Vehicles

Computer vision for Surveillance

    Pedestrian detection and Behavior analysis.

    Lane detection and keeping,

    Collision avoidance
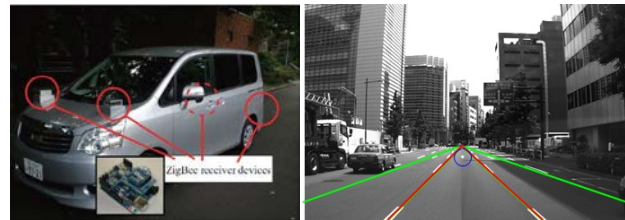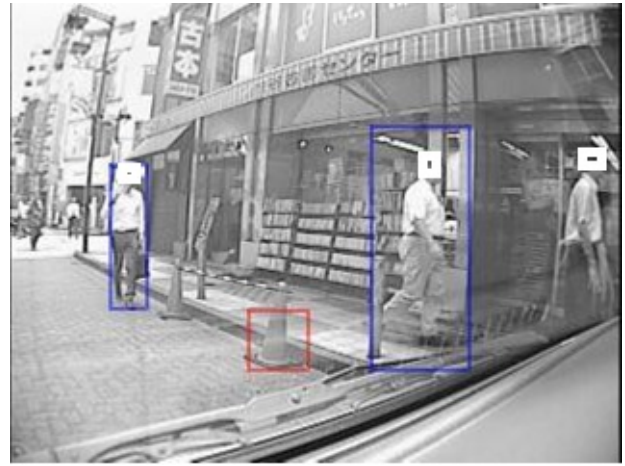
Self-Localization :

    3D structure recognition for Localization

    High accurate GNSS positioning

Urban 3D models :

    SLAM (Simultaneous Localization and Mapping) by Sensor fusion of Computer Vision, LIDAR, and GNSS.

System integration and Motion planning

・Pedestrian Support by SMART Devices

Positioning by GNSS, Dead Reckoning, and WiFi fingerprinting

Application of Location services for pedestrian and tuourists.