CSGI

KAMIJO Lab

[Support Movement and Behavior utilizing Information Devices]

Center for Socio-Global Informatics

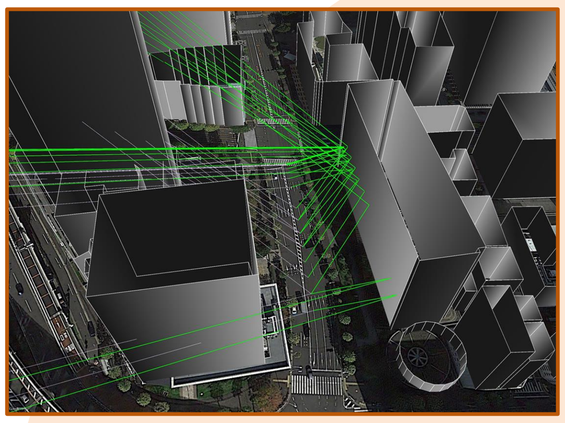
Applied Multimedia Information Processing

Information and Communication Engineering/Emerging design and informatics course

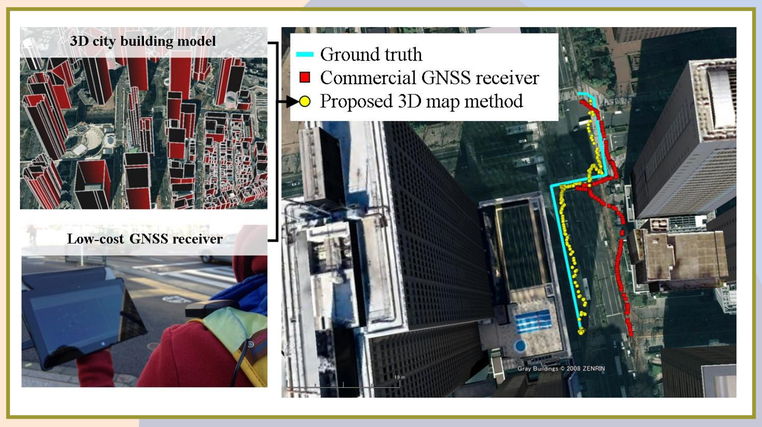
http://kmj.iis.u-tokyo.ac.jp

3D Map

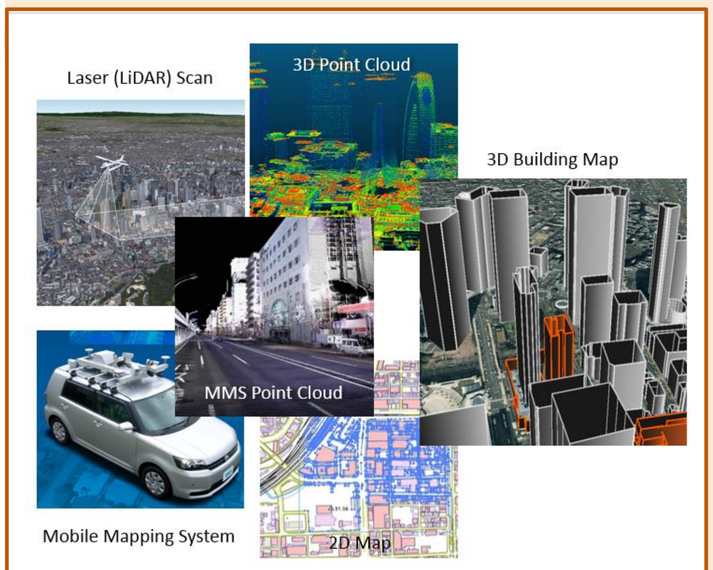
3D Map Correction using GPS Measurement



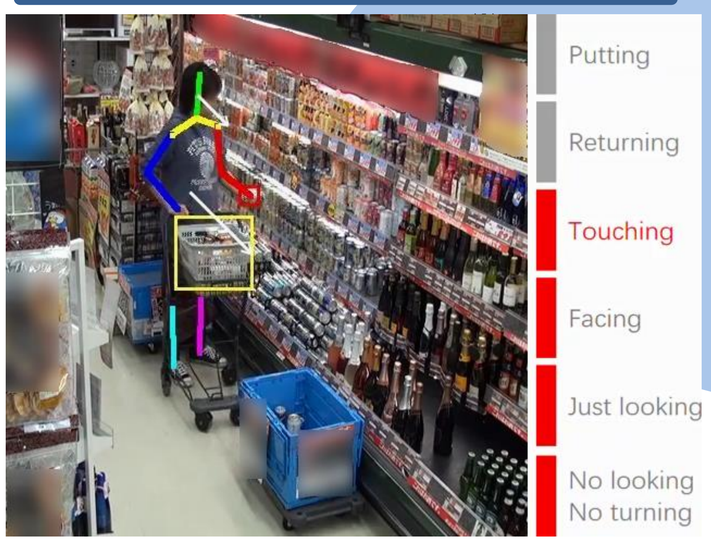
3D City Building Model Based Positioning Method using Multi-GNSS in Deep Urban Canyons



3D Building Map Construction using Point Cloud Data & 2D Map



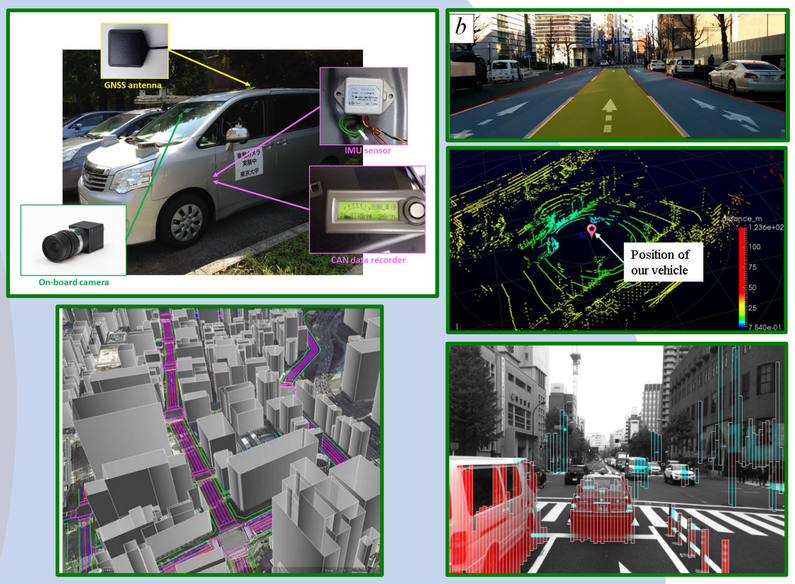
Customer Behavior Recognition in Retail Surveillance Video



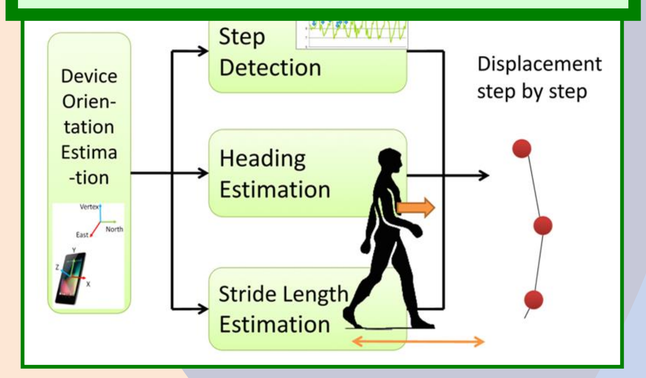
Self Localization

GNSS Positioning Result Improvement using Height Based Conventional Method

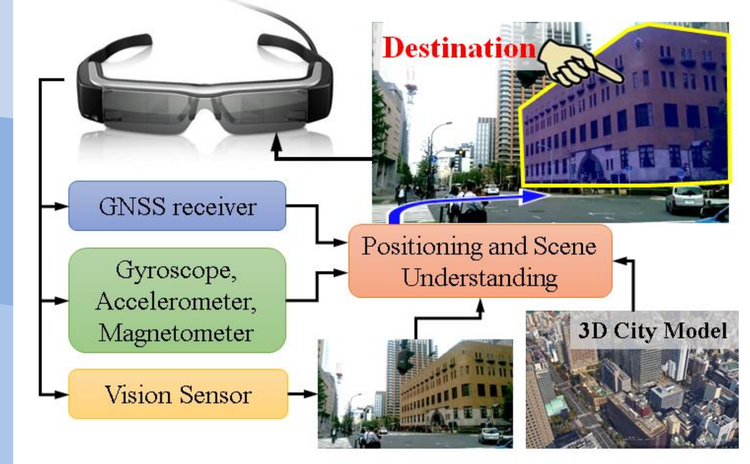
Sensor Integration for Vehicle Self-Localization in Urban Environment



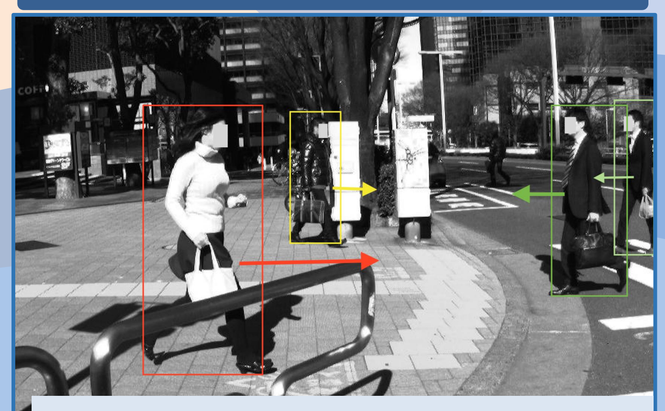
Location Estimation and Pedestrian Dead Reckoning using Mobile Devices



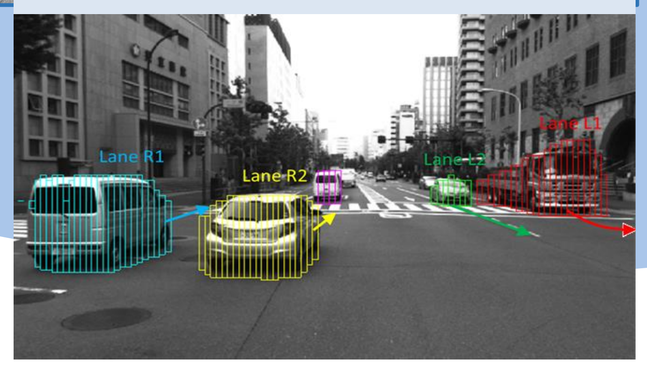
Pedestrian Navigation utilizing Wearable Devices



Traffic Scene Understanding ※



Pedestrian Behavior Understanding ※



Pedestrian Pose Estimation ※ from on-Board Camera

Scene Understanding

The safety of people and vehicles・ The realization of social security

In recent years, autonomous driving and Advanced Driving Assistant Systems (ADAS) attract lots of attention. We are developing Self-localization, Scene Understanding and 3D MAP technology, which are essential to autonomous driving and ADAS. In this way, we are intend to meet the social request that ensuring the safety of people and vehicles.