KAMIJO LAB.

[Enhanced Mobility and Location Service]

Center for Socio-Global Informatics

Applied Multimedia Information Processing
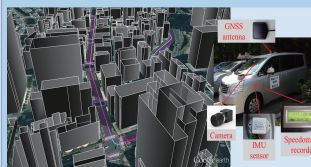
Emerging Design and Informatics Course

Department of Information and Communication Engineering   http://kmj.iis.u-tokyo.ac.jp/e_index.html
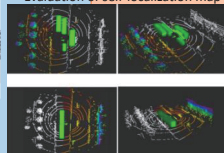
Autonomous Driving

Self-localization of a car in an urban environment
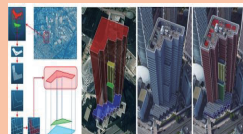

Self-localization using sensor fusion
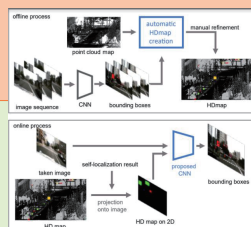

Evaluation of self-localization map

Self-localization using map

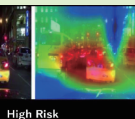**Generation of 3D map using 3D point cloud and GNSS**

Generation of 3D map

Scene understanding of urban environment

Driving scene risk assessment

Low Risk

High Risk

Road object detection using map

Pedestrian detection and estimation

Marketing

Mobile device-based services

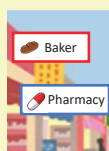· Acceleration
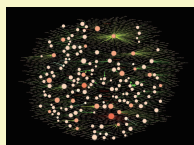· Angular velocity
· Magnetic compass
· Atmospheric pressure

Indoor behavior understanding using smartphone sensors

Baker

Pharmacy

Tourist service using location and photo data

Market strategy using SNS analysis

Instagram analysis using deep learning

At Kamijo laboratory, we conduct research on realizing safe mobility using location and scene understanding technologies, in addition to research on novel methods in the marketing field.