SICE

System Integration Division

SICE SI SYSTEM INTEGRATION DIVISION

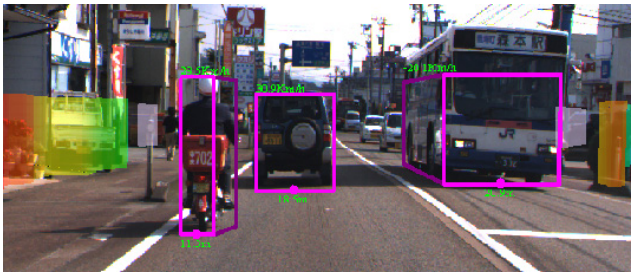
Research Committee for Intelligent Vehicle

Development of highly-functional, dependable and human-friendly intelligent vehicle systems

1. Goal

•Contribution toward realization of intelligent vehicle through discussions and information exchanges among researchers and engineers in various fields.

•Deepening and making intelligence of not only single vehicle but also multi-vehicle system.



Stereovision-based environmental perception

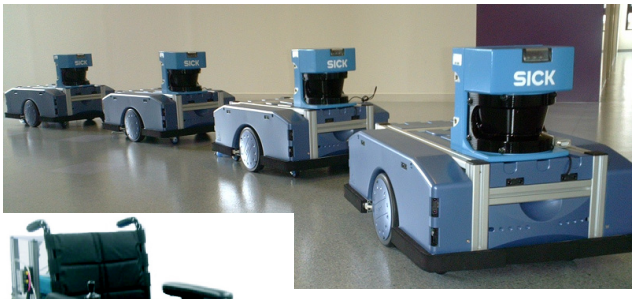
2. Problem

•Robust sensing and control for intelligent vehicles.

•Environmental perception by LIDAR and Vision.

•Multi-sensor fusion and dependable sensing.

•Multi-vehicle cooperation by vehicle-to-vehicle and vehicle-to-infrastructure communication.



Multi-vehicle system

Smart wheelchair

3. Strategy

•Information exchange about intelligent vehicle through lectures, seminars and organized sessions.

•Visit to universities and companies to observe and discuss state-of-the-art technologies of intelligent vehicle systems.

4. Activity Plan

•Organized session, “Sensing, Control and Safety System for Intelligent Vehicle” on ICCAS-SICE 2009

•Technical visit to university and company

Fully automated unmanned vehicles

Organizers (2009)

Director: Naoki Suganuma (Kanazawa University)
Vice-director: Masatoshi Hatano (Nihon University)
Secretary: Masafumi Hashimoto (Doshisha University)