

R&D of Safety Sensor Systems Utilizing Vehicle-installed Cameras

<Program for Fostering Regional Innovation (Global Type) >

Project Team

Chief Researcher

Shuichi Enokida (Assistant Professor, Faculty of Computer Science and Systems Engineering, Kyushu Institute of Technology)

Project Manager

Eitaku Nobuyama (Professor, Faculty of Computer Science and Systems Engineering, Kyushu Institute of Technology)

Project Leader

Toshiaki Ejima (Professor, Faculty of Computer Science and Systems Engineering, Kyushu Institute of Technology)

Researchers

Tsuyoshi Katayama (Professor, Faculty of Engineering, Kurume Institute of Technology)

Toshihiro Arai (Chief Researcher, Japan Automobile Research Institute)

Sou Kitajima (Researcher, Japan Automobile Research Institute)

Kazuhiro Tanaka (Professor, Faculty of Computer Science and Systems Engineering, Kyushu Institute of Technology)

Noboru Sebe (Associate Professor, Faculty of Computer Science and Systems Engineering, Kyushu Institute of Technology)

Mitsuhiro Fujio (Associate Professor, Faculty of Computer Science and Systems Engineering, Kyushu Institute of Technology)

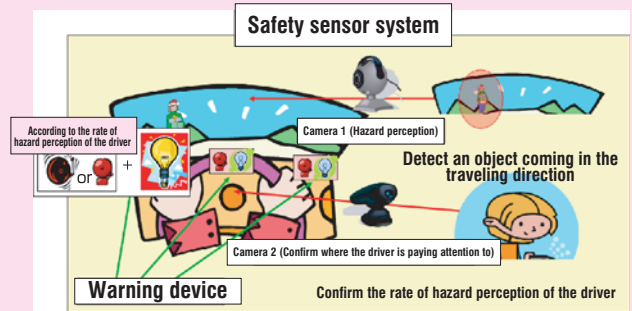
Takeshi Ohashi (Associate Professor, Faculty of Computer Science and Systems Engineering, Kyushu Institute of Technology)

Masaki Fuchiwaki (Associate Professor, Faculty of Computer Science and Systems Engineering, Kyushu Institute of Technology)

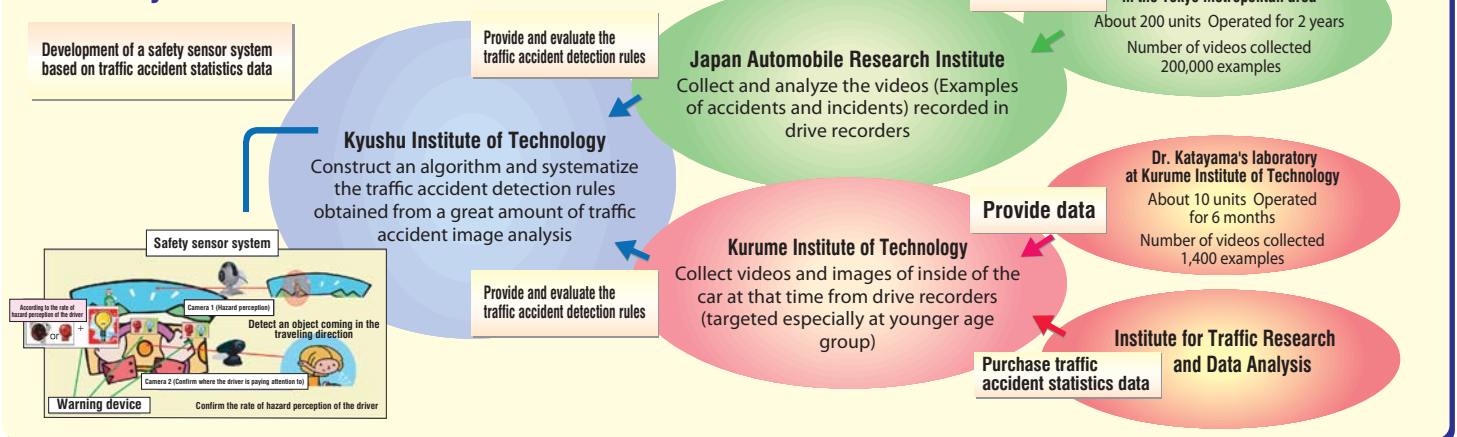
Toyohiro Hayashi (Assistant Professor, Information Science Center, Kyushu Institute of Technology)

Purpose of the Research

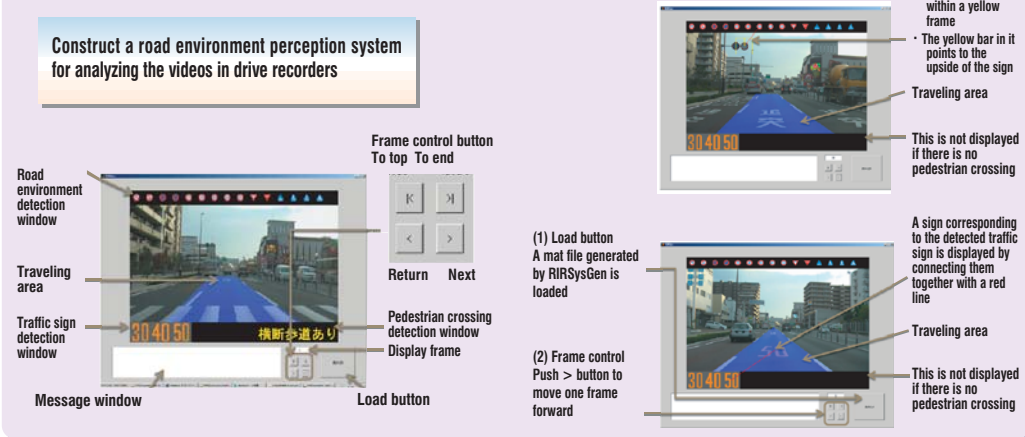
In this development, we are going to study a retrofitted onboard safety sensor system which adds hazard perception capability to visual sensor (such as a CCD camera).



Summary of the Research



Results of the Research



Prospective Fields of Application

The value will be heightened by applying it to drive recorder

Its use is currently spreading widely mainly in vehicles for business purposes

- Taxi 103,000 units
- Track 2,000 units
- Bus 1,600 units

(As of the end of March 2007)

Aiming to spread its use in private cars



Doraneko 2 produced by HORIBA ITEC Co., Ltd.



Office
System LSI Division
FUKUOKA INDUSTRY, SCIENCE & TECHNOLOGY FOUNDATION

〒814-0001 3-8-33, Momochihama, Sawara-ku, Fukuoka City
Fukuoka Institute of System LSI Design Industry

Information

TEL : +81 (92) 832 7155 FAX : +81 (92) 832 1700 <http://www2.lab-ist.jp/>



Cooperative support organization

Knowledge Cluster Division, Industry-Academia Cooperation Department,
Industry-Academia Cooperation Center
Kitakyushu Foundation for the Advancement of Industry, Science and Technology

〒808-0135 2F, Industry-Academia Cooperation Center
Kitakyushu Science and Research Park
2-1, Hibikino, Wakamatsu-ku, Kitakyushu City, Fukuoka

Information

TEL : +81 (93) 695 3440 FAX : +81 (93) 695 3439 <http://www.ksrp.or.jp/fais/>