



Licensing opportunity

Detection of phoning while driving

Field of use

System for Detecting a Person Driving a Vehicle while Using a Mobile Computing Device for Health

Current state of technology

Stage of Development:
The proposed methods have been tested. The technology is ready for prototype development, integration and proof of concept testing.

Patent status

TBA

Publication

TBA

Developed by

Jožef Stefan Institute

Reference

TBA

Contact: mag. Robert Blatnik

Center for Technology Transfer and Innovation,
Jožef Stefan Institute,
E-mail: tehnologije@ijs.si
<http://tehnologije.ijs.si/>

Background

Slovenian researchers have invented a solution for detecting a person driving a vehicle while using a mobile computing device by making use of sensor data provided by mobile computing device. Researchers are looking for companies interested in further development of the commercial application and commercialization of the invention

Description of the Invention

The system for detecting a person driving a vehicle while using a mobile computing device is a patented solution. The solution aims at helping governments and private interested organizations in restricting mobile phone use while driving which is a well know road safety concern.

A system for detecting a person driving a vehicle while using a mobile computing device is based on the detection of movement patterns being attributable to a movement of a vehicle and movement patterns being attributable to a person using the mobile computing device. A relation is established between both movement patterns and based on their relation it is determined whether a person is driving a vehicle while using a mobile computing device

Main Advantages

In contrast to other solutions

- Completely autonomous solution (only smart phone is needed);
- Employment of context-based reasoning methods enables more reliable and more robust detection whether a person is driving a vehicle while using a mobile computing device;
- observing a relation of vehicle movement patterns and movement patterns of a person using a smart phone is a novel approach.