

عنوان مقاله:

An Integrated Technology-Based Approach for Developing Pedestrian Safety Solutions

محل انتشار:

اولین کنفرانس بین المللی حوادث رانندگی و جاده ای (سال: 1384)

تعداد صفحات اصل مقاله: 8

نویسنده:

Ching-Yao Chan, Ph.D., P.E. - Associate Research Engineer

خلاصه مقاله:

Pedestrian safety is a primary concern in transportation, especially in an urban environment. A variety of technologies, either infrastructure-based or vehicle-based, have evolved and emerged in recent years that offer promising prospects for detecting pedestrians. The sensing technologies can be utilized in the implementation of pedestrian collision warning systems. In these systems, timely warning signals are provided to subject vehicle drivers to avoid collisions. However, the complexity of operating environment on roadways and the limitations inherent in individual sensing devices present significant challenges in achieving reliable and all-situation performance of many safety systems, especially for vehicle-based solutions. Besides seeking an enhanced on-board vehicle-based solution, an approach based on vehicleinfrastructure integration has now emerged as a powerful alternative. This paper describes the rationale for such an approach.

کلمات کلیدی:

Pedestrian Accidents, Pedestrian Detection, Infrastructure-Vehicle Integrated Systems

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/4101>

