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Understanding road users' expectations: an essential step for ADAS development

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Abstract

This article indicates the need for understanding road users' expectations when developing Advanced Driver Assistance Systems (ADAS). Nowadays, technology allows more and more opportunities to provide road users with all sorts of information or even actively support aspects of the driving task. However, we should first identify how the driving task is actually performed by drivers before determining which ADAS functionalities could support the driver optimally. The results of an experiment aimed at identifying aspects of expectations drivers have in interaction situations, are used to speculate about ADAS functionalities that could potentially support the driver in the interaction aspect of the driving task.

Received: May 2005
 Accepted: October 2005

keywords: ADAS, design implications, expectations, traffic interactions.

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