VISION IN VEHICLES – IV
A.G. Gale et al. (Editors)

FEEDBACK MODALITY FOR NONTRANSPARENT DRIVER CONTROL ACTIONS: WHY NOT VISUALLY?

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Abstract

A well designed man-machine interface for control of a vehicle should give feedback to the operator to minimize his/her distraction from the main task, which is safe driving. Therefore, the present study investigates the effects of different kinds of feedback and different driving situations on driver behaviour in order to determine a suitable feedback modality. The research concentrates on nontransparent functions activated by the driver via voice control. In the experiments, four different feedback modes were used: a tone, visual feedback with and without acoustic announcement, voice feedback. The results show that the visual feedback information can be recommended for non-transparent driver actions.

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