Dokumenttyp: Konferenzbeitrag
Autor(en) des Beitrags: Pfannmüller, L.; Walter, M.; Bengler, Klaus
Nicht-TUM Koautoren: nein
Kooperation: -
Titel des Beitrags: Lead me the right way?! The impact of position accuracy of augmented reality navigation arrows in a contact analog head-up display on driving performance, workload, and usability.
Abstract: The contact analogue head-up display (cHUD) is a promising advancement of the conventional head-up display technology. Information can be presented in an augmented reality way, directly superimposed on the driving environment. In order to achieve increased driving safety and comfort, the fit between virtual information and the real world is critical. A discrepancy, e.g. due to imprecise sensor data, must not lead to confusion or distraction. In a static driving simulator study, the position accuracy of a contact analogue navigation arrow was manipulated (three levels) and the effect on navigation errors, lane-keeping performance, subjective workload and usability was investigated with and without a secondary audio-verbal n-back task.

Intellectual Contribution: Discipline-based Research
Herausgeber: Lindgaard, G.; Moore, D.
Kongress- / Buchtitel: -
Kongress / Zusatzinformationen:
Melbourne

Jahr:
2015

Jahr / Monat:
2015-08

Monat:
Aug

Key publication:
Ja

Peer reviewed:
Ja

International:
Ja

Book review:
Nein

commissioned:
not commissioned

Interdisziplinarität:
Ja

Leitbild:
;

Ethics & Sustainability:
Nein

Occurences:
· Einrichtungen > Fakultäten > Fakultät für Maschinenwesen > Institut für Produktionstechnik > Lehrstuhl für Ergonomie (Prof. Bengler) > 2015

Entries: