

Situation assessment, dual task performance and environmental support in the older adult

(Hurts)

Description

Two conflicting theories for explaining decrements in situation assessment performance in the older adult will be contrasted and tested using a dual task scenario in which a situation assessment task is used as a background task and some kind of steering or search task is used as a foreground task. The two theories are the limited resources perspective on cognitive aging and the failure to inhibit perspective on cognitive aging. The experiments are also designed to shed light on the conceptual properties and effectiveness of several ways to modify displays and training material in order to help prevent age-related cognitive decrements in situation assessment.

Financing

eerste en tweede geldstroom.

Staff

Carel Hurts

Johan Molenbroek

Student participation

Scriptie of oefenexperiment

Publications

Steenbekkers, L.P.A. & Beijsterveldt, van, C.E.M., (eds.) (1998). Design-relevant characteristics of ageing users. Delft University of Technology, Subfaculty of Industrial Design Engineering