Abstract:

Driver Information Systems (DISs) are used in a mobile environment, which implies that the ease of communication between driver and system is determined by the navigation between different options from the graphical user interface. The way a driver interacts with a menu can differ among cultures, which can lead to decreased fluency when navigating through an insufficiently localised menu structure. Therefore, menu structures of a DIS should be subjected to localisation, and software should be internationalised to allow a variable menu structure. This paper shows an implementation approach that facilitates the adaptation of menu structures in DISs. We use XML to represent a common menu structure which can subsequently, and independently, be transformed into new versions for each culture using XSLT Stylesheets. With this approach we can not only achieve separation of the content of the menu from its structure, but also the possibility of varying the structure itself without changing the basic program version.
Occurences:

- Einrichtungen > Fakultäten > Fakultät für Maschinenwesen > Institut für Produktionstechnik > Lehrstuhl für Ergonomie (Prof. Bengler) > 2010

entries: