Revista Dyna New Technologies

País: España

This paper presents a set of front-end design guidelines intended to provide a starting point to designers of user interfaces for infotainment systems. The proposed approach suggests guidance on four dimensions inferred from state of the art such as crucial to achieve well designed automotive interfaces: a) Design; b) Interaction; c) Security & Trust; and d) Connectivity. Guidelines were thought by integrating conceptual-insights from Graphic Design; User Centered Design; Human-Machine Interfaces; Usability; and Human-Computer interaction. Additionally, were specified and structured to be used also as a comparing tool (Like Heuristic-Evaluation technique) to analyze front-end of existent infotainment systems. Said duality allowed to revise the pertinence of the proposal through a case study where 30 participants (25 regular users and 5 technical-experts) compared suggested guidelines' specification against interactions provided by the front-end of Mazda Connect® infotainment System. Obtained results suggested that setting of proposed guidelines was compatible with participants' perceptions facilitating to identify pain-points on current design; thus, proposed guidance could scaffold base-insights for new front-end designs.
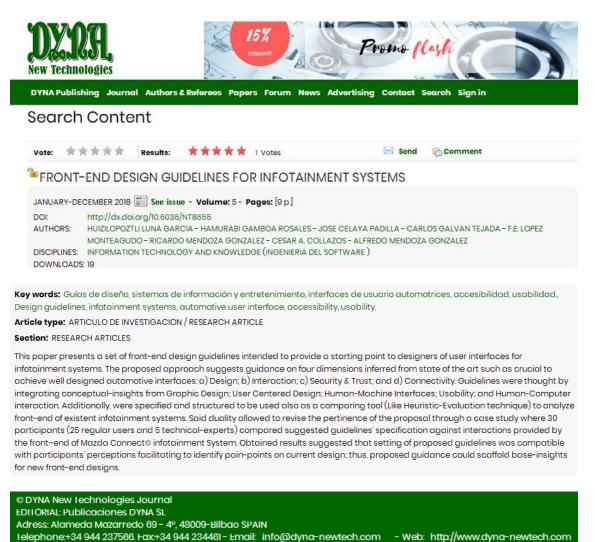
Diffusion & indexation database

DYNA New Technologies is included on the following index and references data bases:

- **Fuente Academica Premier** (Ebsco Publishing). Chartered with delivering full-text and bibliographic research databases to the school, public, academic, medical, corporate and government library marketplace. Their research database products are installed in close to 90% of the public and academic libraries in the United States and Canada with excellent penetration in Western Europe and Asia-Pacific.
- Google Scholar: accessible web search engine that indexes the full text or metadata of scholarly literature across an array of publishing formats and disciplines.
- CrossRef: Its general purpose is to promote the development and cooperative use of new and innovative technologies to speed and facilitate scholarly research

- MIAR: brings together key information for the identification and evaluation of journals. Including more than 28,000 publications, the system creates an array of correspondence between them, identified by its ISSN, and databases, directories and catalogs of libraries that the indexed.
- DULCINEA: Indicates the exploitation rights and permissions for the auto-archive of Spanish scientific journals.
- **Latindex Catalog (35/36)**: Regional system of line information for scientific magazines in Latin America, Caribbean, Spain and Portugal.
- Microsoft Academic: Search engine from Microsft for academic literature