

UHCI @ Connected Usability

Universal Home Control Interfaces

Project objective: provide innovative, multi-modal interaction technologies for the domestic environment, with intuitive usability

Home networking places new demands on recording peoples' activities, whilst also providing a "controlled" environment with the appropriate opportunities to optimise innovative interaction technologies in terms of their acceptance, performance and robustness.

Research and development priorities:

- the development, adaptation, combination and integration of innovative interaction technologies (touch, gestures, speech, 3D models, wearables, reactive interaction),
- the systematic evaluation of usability, usability guidelines (best practice) and evaluation methodology,
- the integration and demonstration of prototypes at target group-oriented home environment showcases,
- the transferability of developed user interface elements to current and future Connected Living projects.

UHCI is therefore expected to investigate the requirements, framework conditions and implementation options for an open user interface framework, including usability guidelines. And to then develop and supply this, so that user interfaces with intuitive usability and a high level of user acceptance can be developed for Connected Living's various applications. The use of open standards should therefore ensure compatibility between solutions for different industries and providers. The existing individual solutions are, however, proprietary, and not usually compatible with other solutions. This has a negative impact on their acceptance and market penetration.



Key data:

Project Term:

April 2013 -
March 2015

Project Consortium:



LOEWE.

ART+COM

DAI-Labor
TU Berlin

Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages

Lead Management:

facit
research



Fraunhofer
IDMT

DISC
VISION
technologies for smart TV

Universität der Künste Berlin



TU Q&U Lab

The objective of the Connected Living e.V. innovation center is promoting and developing innovative solutions across industries and manufacturers for intuitive and intelligent home networking.

Connected Living e.V.

Helmholtzstraße 2-9
10587 Berlin, Germany
www.connected-living.org

Tel.: +49 30 - 314-74170
Fax: +49 30 - 314-74178
info@connected-living.org

Lead Management:
Sven Kielgas
UHCI@connected-living.org