Abstract

In this paper, the new paradigm of the second screen in interactive digital television (iDTV) is discussed and analyzed through a systematic literature review. An architecture is proposed for the use of mobile devices as a second screen, so interactivity sent via broadcast can be also used in mobile devices, in a contextualized and synchronized fashion. A prototype was implemented in two modules: the first one to primary screen (TV) with the remote control and the other for second screen in order to compare their use.

- LI, L. , Yi, R. &quot;MEMS-based digital TV interaction innovation research. &quot;
Enrichment of Interactive Digital TV using Second Screen


Index Terms

Computer Science Multimedia

Keywords
Enrichment of Interactive Digital TV using Second Screen

Interactivity  Second Screen  Dual Device  Middleware Ginga  SBTVD  DTV

iDTV

DVB-MHP

Smartphone

Tablet

Android

Remote Control

Home Network