Pediaphon presentation at the Learntec 2008 fair

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At the Learntec 2008 [3] fair in Karlsruhe the 'Pediaphon' project [5] was presented at the university joint booth. Pediaphon is a web based service which generates audio representations of Wikipedia articles dynamically. The tool is usable on- and off-line, as a web based service to listen to the articles directly in the web browser as well as to download MP3 files for later use on mobile devices like MP3-players and mobile phones.

The mobile phone branch of the service was enhanced by a new touch tone input approach [1]. Like the input of a SMS the numerical keys must be pressed more than once to access the corresponding letter. Numerical keypads are usually already labeled in that way. The chosen letter will be repeated after each input. A voice menu assists the user during input. After successful processing of the search keyword the playback of the requested article starts. During audio playback

Figure 1: ZDF camera team at PRT exhibit

the users are able to navigate in the phone announcement by pressing predefined keypads. At any time users can stop the playback and redefine their search.

The project was introduced in the 3SAT magazine 'neues' [4] as an example of mobile learning [2].

[1] Andreas Bischoff. Location based cell phone access to the wikipedia encyclopedia for m-learning. In Dirk Ifenthaler Pedro Isaias, Miguel Babtista Nunes, editor, Proceedings of the IADIS International Conference WWW/INTERNET 2008, pages 366-370, Freiburg, Germany, October 2008. IADIS, IADIS Press.

[2] Andreas Bischoff. M-learning, mobile experimentation and telepresence with cell phones and pdas. In Reinhard Langmann Michael E. Auer, Editor, International Conference on Remote Engineering and Virtual Instrumentation, REV2008, Duesseldorf, Germany, June 2008. Kassel University Press.

[3] `http://www.learntec.de`

[4] `http://www.3sat.de/mediathek/mediathek.php?obj=7411&mode=play`

[5] `http://pediaphon.fernuni-hagen.de`