



## Exercise 1 (individual)

# Comparing Communication User Interfaces

In the lecture we have seen 2 novel communication devices – namely a picture frame [1] and a bed [2]. Today voice communication and SMS/MMS using mobile phones is commonly used everywhere. Similarly instant messaging tools (e.g. Skype) provide desktop based means for voice communication, messaging, and presence information.

Assess the communication appliances introduced in [1] and [2] and compare them to generic communication solutions such as mobile phones or instant messenger.

Discuss very briefly the

- created user experiences
- communication of voice, presence and context information
- usage complexity of such a device
- context of use
- limitations of use
- typical target group
- technologies that enable such devices
- technical feasibility at the moment

Find in the research literature (e.g. ACM digital library) a further example of a communication appliance, which is similar to [1] and [2].

Please submit your solution (not more than 2 pages/600 words, PDF-file with the following name: uui2007ex01-firstname-lastname.pdf, subject “UUI2007 Exercise 1”) by 5<sup>th</sup> November 2007 to [uui2007@hcilab.org](mailto:uui2007@hcilab.org).

You are welcome to discuss the questions with your colleagues, but each student has to write their own solution.

If you have questions please mail to [uui2007@hcilab.org](mailto:uui2007@hcilab.org).

- [1] Chang, A., Resner, B., Koerner, B., Wang, X., and Ishii, H. 2001. LumiTouch: an emotional communication device. In CHI '01 Extended Abstracts on Human Factors in Computing Systems (Seattle, Washington, March 31 - April 05, 2001). CHI '01. ACM Press, New York, NY, 313-314. DOI= <http://doi.acm.org/10.1145/634067.634252>
- [2] Dodge, C. 1997. The bed: a medium for intimate communication. In CHI '97 Extended Abstracts on Human Factors in Computing Systems: Looking To the Future (Atlanta, Georgia, March 22 - 27, 1997). CHI '97. ACM Press, New York, NY, 371-372. DOI= <http://doi.acm.org/10.1145/1120212.1120439>

The papers are available online at <http://www.ubicomp.net/uui/>