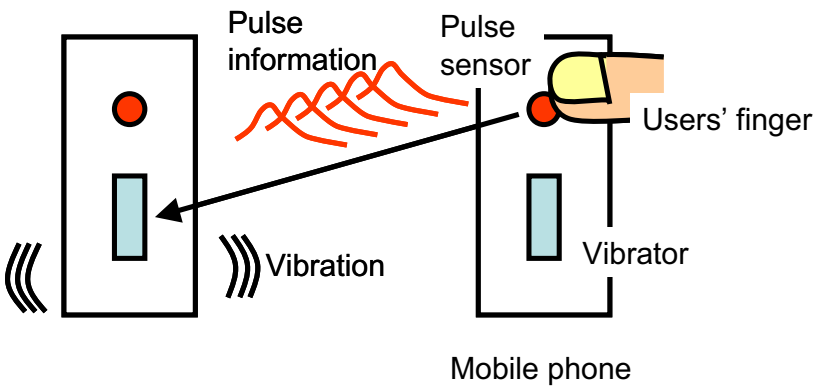
MIMAMORI-Phone

Hideaki Touyama*, Kazuyoshi Tagawa**

Intelligent Modeling Laboratory,
the University of Tokyo
*touyamahide@gmail.com**, *tagawa@iml.u-tokyo.ac.jp***



1. MIMAMORI-Phone

Recently, there have been studies on novel methods of communication between people using specific items which stimulate people to interact with each other [1, 2].

In this demonstration, an example to make a new communication between people using a pair of pulse sensors and vibrators is presented. The concept of the system is illustrated in the figure. The sensors and displays are implemented into the mocks of mobile phones. The local user holds or operates the phone and then the heartbeat information of the user can be obtained from the attached pulse sensor and then presented to the remote user in a vibration manner. The pulse information can be extracted only by attaching an index finger of the user during phone call. The information can be presented to the remote user only during phone call as well.

This type of interaction can be used as a new tool of media art and as a remote monitoring system for the human healthcare as the realistic applications in aging society.

2. The demonstration

We arrange a few subjects from our laboratory. However, a part of audience can take part in the demonstration to perform the online interaction using our system.

References

[1] D. Sekiguchi, M. Inami, N. Kawakami, T. Maeda, Y. Yanagida, and S. Tachi, RobotPHONE: RUI for Interpersonal Communication, ACM SIGGRAPH 2000 Conference Abstracts and Applications, p.134, 2000.

[2] T. Watanabe, Y. Itoh, Y. Maeda, K. Takaya, N. Hirasawa, E. Kimura, and A. Miyajima: A New Communication Style for a Continuous Connection Age: Fostering a Feeling of Connection, Proceedings of the Society Conference of IEICE, p.189, 2001.

ICAT 2008
Dec. 1-3, Yokohama, Japan
ISSN: 1345-1278