Wonderswan is one of the home handheld game machines. One can develop the software and the hardware for Wonderswan using WonderWitch. The aim of this project is to build a personal digital assistant system using such features. This paper describes the prototype of the personal digital assistant system using Wonderswan through the communication with infrared ray.

In this paper, we have proposed on use of optical fiber splitters instead of a piece of multi-casting network equipment. The optical fiber splitter is a passive device and has lower cost than the multi-casting network switches do. We tried one point to multipoint communication use of proposed network system containing an optical fiber splitter. It is found that image signal quality and image signal delay time in case of using on optical fiber splitter are the same as using multi-casting network switches.

Nowadays we used to participate in the conference through the Web page or the E-mail. In the conventional systems, the submission of papers has often been carried out by the mail. The authors have succeeded in the feasible implementation of the paper submission and publication support system through the Web browser.

At our Saga University, the completion of registration of students has been performed by reader(OCR) which reads the registration form that the student has submitted. As for this work, much time and effort are spent. In this paper, we shall present the system which supports the procedure of a check of completion of registration and the contents of registration on the Web browser.

Managing course results in present universities need complicated procedures in many cases. As a solution to these problems, there is a system so that professors could access to the sever, where data are accumulated, from the computer by which they input course result data. In this paper, the authors will propose such a management system using Java and PostgreSQL.