

QUIZMASTER MUSHROOMS: “WHO IS THIS” QUIZ DIALOGUE SYSTEM

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Our new research project, called “ambient intelligence,” concentrates on the creation of new lifestyles through research on communication science and intelligence integration. It is premised on the creation of such virtual communication partners as fairies and goblins that can serve constantly at our side. We call these virtual communication partners *mushrooms*.

To show the essence of ambient intelligence, we demonstrate a multimodal system: a quizmaster mushroom. The purpose of the quizmaster mushroom is to transmit knowledge from the system to users while they play a quiz game with the system. The system can conduct a “who is this” quiz on certain people selected from the Internet. The system works in real time using speech, dialogue, and vision technologies [1].

Figure 1 shows an actual picture of the demonstration and Figure 2 shows the main flow of it.



Figure 1. Quizmaster mushroom.

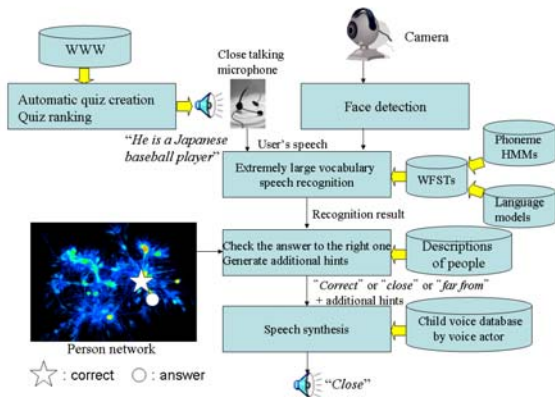


Figure 2. Main flow of the quizmaster mushroom.

- [1] Y. Minami, et al., “The World of Mushrooms: Human-Computer Interaction Prototype Systems for Ambient Intelligence,” Proc. ICMI2007, Nagoya, 2007 (to appear).