

Title	ホームネットワーク上の家電機器とセンサを用いた双方向通知応答基盤の研究
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Interactive Notification-Response platform using home appliances and
sensors on home network

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Research is being done on an interface called "notification" that presents information by messages and alerts. However, research on notifications is mostly directed to desktop PCs and smartphones, and few studies manage notifications from home appliances that are close to ourselves. In this research, we aim to be able to exchange information on living environment and natural interactivity of users by Interactive Notification-Response platform which can notify home appliances and get user response. In the Interactive Notification-Response platform, we adopt the four-element concept of Acquisition, Modeling, Reasoning, and Dissemination to process the information surrounding the user. We examined existing home appliances from two perspectives and show that Interactive Notification-Response platform can notify and respond to a wide range of home appliances. In conclusion, the combination of the notification and the response proposed in this research was found to be a simplified form of various notification and responses in home appliances.