

(様式5)

学位論文要旨

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学位申請者

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学位論文題目

Design of Multi-Stimuli for Interactive Environment Prompting Desired Human Behavior

学位論文の要旨

The purpose of this proposal is to achieve three objectives: 1) To propose an interaction design that seamlessly integrates the interaction between human and ambient digital functions in daily life, 2) To create a new type of interaction between ambient digital function and people, and 3) To implement examples and evaluate the effectiveness of the approach. My approach to integrating the system into an environment is significantly influenced by the concept of ambient computing. The concept of nudges also impacted my approach to designing stimuli that prompt human responses.

My idea of approach is to design an ambient digital function that people will react to instantly without contemplating its message much. I considered designing a sensation towards people by utilizing digital means. I attempted to make a stimulus effect in the background of a specific context to represent phenomena expected to receive a person's response. Such an idea could be used to naturally prompt people's awareness of their surroundings. I intended to utilize digital functions that would work on people's instinctive reactions.

To address one of my main research questions, I investigated how digital prompts can effectively influence people in specific situations. I conducted experimental scenarios to assess the idea's feasibility and the design of the prompts. The effects were then measured through experimentation. The results revealed how people would react to the designed stimuli in such a way that they would unintentionally adjust themselves to correspond with the environment. The valuable insight provides me with the knowledge needed to improve the system design and application scenarios so that people and the system spontaneously interact. It also suggests that integrating designed stimuli in environments to prompt desired behavior can work in broader situations with appropriate stimulus design.

備考

- 要旨は4000字程度にまとめること。
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