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Author(s)	清水, 健
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Description	Supervisor: 國藤 進, 知識科学研究科, 修士

A study on a system that provides Personal workload awareness

Ken Shimizu(350031)

School of Knowledge Science,
Japan Advanced Institute of Science and Technology
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In this thesis, I propose a system that provides personal workload awareness. This system has been developed for the aim of supporting activity in an organization.

In recent years, computer technologies brought significant progress on asynchronous tasks / jobs, distributed working-places, and various working times. In an organization, knowing the presence and availability of organization members is important in the situation where each member's lifestyle or room differs from the others. If it is possible to share personal workload awareness among members, high work of productivity could be performed.

Many systems that provide personal workload awareness have been applied in the real world. However, general systems that provide personal workload awareness have problems. These problems are that they cannot detect the detailed information in certain situations or offer of information becomes a user's burden.

In order to solve these problems, I propose a system that provides personal workload awareness. This system shows location information and workload information as personal workload awareness in real time. EIRIS (ELPAS InfraRed Identification and Search system) is utilized as a location detection system. Frequency in use of a computer and scheduler are utilized as a workload information detection system. Further, information acquisition builds Aware Display that is easy and also becomes interior design.

In experiments, subjects utilized this system in six weeks. The results of experiments demonstrate that by sharing personal workload awareness, this system can effectively support member's activity.