

Title	対話場活性化支援情報フィルタリングシステムの構築 とそのための評価基準の明確化に関する研究
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Construct and evaluate the standard of Information Filtering for Interacting Ba active support system

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This research suggested the model of Interacting Ba active support system. The model of Interacting Ba active support system is given to awareness to the organization information which cooperation work lacked by applying information filtering technology, and make to promote to use organization information in the Interacting of Ba.

In the field of CSCW(Computer Supported Cooperative Work) which support human s cooperative work, and creative support, there are a lot of research about which support human s idea of emanation and settle. In recent years, the knowledge methodology united the organization theory and IT(Information Technology), there is a new approach which the way to use information technology of knowledge cycle(creation, share, reuse), which an emphasis is laid on the research of Ba active support in knowledge creative process.

In the Ba of knowledge creative process, it is not physical space, but Ba contains the space of relation with specific time and human. The establishment of Ba may do the case that it occurs intentionally, and spontaneous generation. It is the part of the leader in the Ba to find the Ba which does spontaneous generation and which it disappears to and to make it develop. Leadership activates a Ba. The activated support model of the Ba by the leadership is being studied. But, it depends on a formed participant with this model which the joint ownership of tacit knowledge by the re-definition of the context in the Ba, in such cases as each individual's ability and the leadership. The problem that organization information isn't being made use of usefully takes Ba because it doesn't finish grasping all the information that the participant of

the place and the leader who does the management of the Ba exist in the organization. Therefore, we must complement the organization information which conformed to the context of the Ba in the cooperation work of the Ba. But, it is difficult to provide information corresponding to the place as for the organization information because it is expressed with the numerical value data and the fixed form information and the semantic information contained in the context isn't contained.

Information filtering technology was applied to the extraction of the organization information corresponding to the context by this research. "Model Third Person support" was proposed as a model that the use of the organization information in the place was activated by supporting awareness to the form wisdom of the organization in the context of the Interacting Ba.

As for the model Third Person support, the part of Third Person in Three Person of the Ba is supported. Model Third Person support is the model that the management of the Ba is supported. As for the Ba, it comes into being by the relations. The relations of Three Person of the Ba are given as an element to compose the Ba. First Person of the place is the person who has thought (Tacit Knowledge). Knowledge is created by following it by Second Person. The combination of the Ba is done by Third Person's adjusting a Ba, and it can activate a Ba. The thought of First Person, sympathizing of Second Person, which element of the organization adjustment of Third Person are indispensable in the Ba, too. We must decide which element of First Person in the Ba, Second Person, Third Person to support the activation of the Ba by using the computer.

The "thought" of First Person was supposed thinking by this research like an emission in the Ba. "Sympathizing" of Second Person was supposed a decision on intention in the Ba. The "organization adjustment" of Third Person was supposed the extraction of the information from the organization information. Information filtering technology was applied as a technology to extract organization information, and the influence of each element by the testee experiment was verified, and the model to activate a Ba was examined.

The system of the information filtering which supports the activation of the Interacting Ba was made by this research to examine model Third Person support. The method which "Information Acquisition Awareness" was applied to as a system that the activation of the dialog place was supported in the Interacting Ba was proposed. The environment that awareness to the organization information which the cooperation work of the Ba lacked was supported was made. Information filtering technology was applied to the way of extracting the organization information of "Information Acquisition Awareness", and it was verified variously in the filtering method what kind of viewpoint you had only to extract organization

information from in the Ba.

Being suitable for the Ba where thinking was intended like a convergence was suggested to the model Third Person support from the Ba where thinking was intended like an emission by the testee experiment. The organization information which related to the place by combining information on not only the remark of the Ba but also the participant's professional file and which was here could be extracted with the information filtering. 15% of the influence rates of the system rose by combining an information filtering with the association word dictionary of the Ba.

The model which activated a Ba was proposed, and the validity was proved by this research by the testee experiment. In the future, it will make the most of the result of this research, and I will have to do the verification of the model that the activation of the Ba due to the combination of the place is supported.