Title	
Author(s)	,
Citation	
Issue Date	2023-03
Type	Thesis or Dissertation
Text version	author
URL	http://hdl.handle.net/10119/18265
Rights	
Description	Supervisor: , , (

In chat tools for understanding the interdisciplinary content

Research in paraphrasing support

2110113　Ryota Tsuchiya

There are four problems in cross-disciplinary cooperation and fusion research: 'top-down fusion failure stories', such as only following a great teacher; 'fear of strangers', such as being too lazy because you don't know them; 'fear of uncertain different fields', such as differences in assumed knowledge and language and not knowing what is not understood; and 'fear of not seeing a way out', such as fear of new fields, detailed styles and speed, which may prevent research results from improving.

In addition, research on communication and collaboration in cross-disciplinary projects and analysis of process models in cross-disciplinary cooperation and fusion shows that it is important to incorporate the knowledge and methodologies of other disciplines into one's own research field and to be aware of the language between different disciplines.

In support of interdisciplinary collaboration and fusion, it was considered that eliminating differences in language and prerequisite knowledge between different disciplines is a challenge in interdisciplinary collaboration and fusion.

Therefore, the aim of this study was to support the elimination of differences in prerequisite knowledge and language about content understanding, such as the acquisition of knowledge and methodologies from other fields in interdisciplinary collaboration and fusion. In addition, we have also tried to support users' understanding of the content of other disciplines by converting technical terms into abstract terms when they are used in information sharing in cross-disciplinary collaboration and fusion, based on previous efforts to eliminate differences in assumed knowledge and language.

The results suggest that rephrasing technical terms into abstract language has a positive impact on understanding the content of different fields.
It was also suggested that the rephrasing of technical terms into abstract terms eliminated terms that were not understood enough to ask questions about, which led to more opportunities to ask questions about the content during the Q&A session, resulting in more meaningful communication.