



Doctor of Engineering/Associate professor

**Sachiyo Kawakami**

#### Education

March, 2017

Doctor of Engineering, Department of Engineering, Nuclear and Energy Safety Engineering Graduate School University of Fukui

#### Professional Background

Planning & Managing ,Cooperation and Research Division, Fukui Prefectural University /Headquarters for Innovative Society-Academia Cooperation(Also, Headquarters for Regional Revitalization), University of Fukui etc.

#### Consultations, Lectures, and Collaborative Research Themes

Coexistence of nuclear power and local communities, Communication design for dialogue, Harmful rumor, Issues of high-level radioactive waste disposal site select

#### e-mail address

yaoki@fukui-ut.ac.jp

### Main research themes and their characteristics

#### [Grasp the Issues of High-Level Radioactive Waste Disposal from the Characteristic of Student Dialogue]

Dialogue activities for high-level radioactive waste disposal require ingenuity in dialogue for young people. But, the information provided in current general dialogue space is uniformly provided regardless of the characteristics of the participants, and it is considered that a mismatch has occurred.

In this study, we grasp characteristic in student dialogue about issues for high-level radioactive waste disposal from text mining analysis based on two record dialogues college students and the general public.

The results are as follows. As a result of frequency of word advent, student dialogue has thoughts on the social aspects of "object person," "cases of developed countries," and "well-known." Also, they thoughts about "national people," "nuclear power,". Next, result of co-occurrence relation, nuclear power was connected to the words "thought" and "accident". And there was a chain with other words. Also, "geological," and "disposal," were connected to words "employment" and "merits" that indirectly affect by advance of high-level radioactive waste disposal project, and words of "science course" regarding the degree of explanation according to the knowledge level of the participants. These are characteristics of student dialogue that could not be confirmed in general dialogue.

#### [A Study on Harmful rumor in Nuclear Power Plant Accident]

Harmful rumor have repeated by nuclear power plant accidents. But harmful rumor is not understood by general public.

According to an analysis of previous studies, the actual state of reputational damage and problems was clarified from the awareness and behavior of local residents toward nuclear power plants. Local resident action is uninfluenced by nuclear power plant accident and they hit hard by rumors from outside resident action. In addition, it is important for easing the rumor by local government declaration of safety for nuclear power plant accident.

We have been engaged in research on how to deal with Harmful rumor.

And we have propose subject, situation, and feature of countermeasure against harmful rumor.

share in Problem Recognition

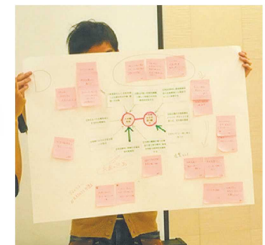
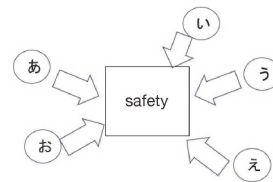


Figure.1 visualization of Participant problem recognition and dialogue

No	Subject
1	Agriculture, Forestry and Fisheries・Food industry
2	Tourist business
3	Manufacture
4	Service business
5	Export business
6	Human rights
7	Schooling
8	Local resident
9	Nuclear power stations are located
10	Event・Convention
11	Japan
12	Music
13	Sea bathing・Pool
14	Others

Table.1 14 subjects of harmful rumor by the accident from Asahi newspaper.

### Major academic publications

Hiroko Oe, Schiyo Kawakami, A disaster prevention programme using virtual schemes: Recommendation of tradition populaire integrated with tendenko as an approach to immersive training, International Journal of Disaster Risk Reduction, Volume 57, 15 April 2021, 102135

Sachiyo kamimura, Yoshimi Kawamoto, Grasp the issues of high-level radioactive waste disposal from the characteristic of student dialogue, Policy and Practice Studies, Volume 6, Number 2, 221-234, 2020

Sachiyo kamimura, Yoshimi Kawamoto, Study on the Structure of Problem Recognition of High-Radioactive Waste Disposal :From the Viewpoint of Experts and Stakeholders concerning Toyo-cho, Japan Association for Planning and Public Management, 37,4,43-50, 2014.