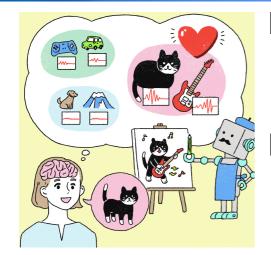
We boost human creativity by transmitting individual perception from brain to generative AI

KANSEI analysis technology based on brain representation similarity

IOWN Evolution Technology that Supports Individuals with Information from Their Brains and Bodies

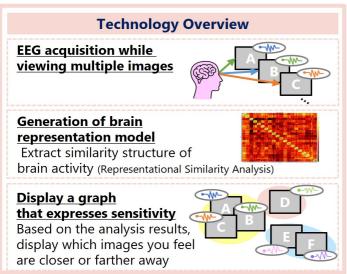


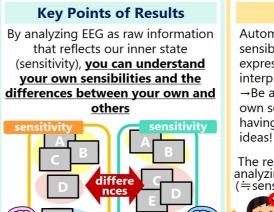
### Background

We assume that the way of perceiving/feeling in our minds is expressed as our brain states. In this exhibit, we will demonstrate our new technology to extract individual perceptions from brain by EEG-based similarity analysis to utilize them in communication.

## Summary

We confirmed that subjective perceptions are reflected in brainwaves and developed a technology to analyze brainwave responses based on their similarity. We also developed a demonstration that extends human creativity by using this analysis in communication with an image-generating AI.

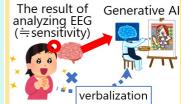




#### **Case Study**

Automatic translation of sensibilities into optimal expressions that can be interpreted by Al

→Be able to reflect your own sensibilities without having to verbalize your



#### | Features

- Visualizing the relationships between content and categories based on brainwave similarities, it provides a detailed representation of the user's subjective perception
- Creating new content that reflects the user's sensibilities by extracting content features from the user's subjective perception and using them as input for generative AI

## Future\_benefits

By achieving understanding and communication of sensitivities, we aim for a world where people with diverse sensibilities understand and respect each other.

# **Exhibiting Company**

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

Contact

rdforum-exhibition@ml.ntt.com